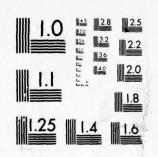


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MICROCOPY RESOLUTION TEST CHART NATIONAL BUREAU OF STANDARDS-1963-

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Summary of Meteorological Observat	ions, Surface	Refere	nce report 1945-1977
(SMUS) Memphis, Tennessee		6. PERFOR	MING ORG. REPORT NUMBER
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18. SUPPLEMENTARY NOTES			
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19. KEY WORDS (Continue on reverse side if necessary and	Identify by block number		
Climatology, surface wind, temperat			ling visibility
relative humidity, station pressure	e, extreme tempe	ratures	sea level pressure.
daily temperature, weather condition	ons, monthly cli	matology	Naval shore
facility, coastal region, snow dept	th, cloud cover,	Memphi	s, Tennessee
20. ABSTRACT (Continue on reverse side if necessary and	Identify by block number)		
		1 cumman	of sunface
This data report consists of a six weather observations. The six part	s are: Part A	- Weathe	y or surface
Atmospheric Phenomena, Part B - Pre	cipitation/Snow	fall/Sno	w Depth.
Part C - Surface Winds, Part D - Ce	eiling versus Vi	sibility	/ Sky Cover.
Part E - Psychrometric Summaries, F	Part F - Station	Pressur	re/Sea Level Pressure

ATION HISTO LONGITUDE LONGITUDE """""""""""""""""""""""""""""""""""	11-1	STATIONN	STATION NO ON SUMMARY:	STATION NAME:		LATITUDE	רסי	LONGITUDE	STATION ELEV. (FT.)	CALL SIGN.	WMO NUMBER	ii.
STATION LOCATION AND INSTRUMENTATION HISTOON	_	9.	3839	Memphis, Tennessee		35°	-	89°52'W	322	KNQA		
Nazther service office, main deck Navy 1949 1960 35°21'N 89°52'W 295	-			STATION LOCATIO	A Z	NDN	STRUA	LENTA	- 3.0	STOR	_	
Navy 1949 1960 1968 " " 1960 1968 " " " " " " " " "	_	ALVBER OF BARD			TYPE	AT THIS LOCA	TION	ATITIOE	301113401	ELEVATION ABOVE MSL	BOVE MSL	088
Navy 1949 1960 35°21'N 89°52'W 295	_	LCCATION			STATION	FROM	т0			1111	TYPE BAROMETER	DAY
### 1960 1968 " " " " " " "		1.	Weather s	ice, main deck	Navy	1949	1960	35°21'N	89°52'W	295	Mercurial	24
Neather service office		3.	Operation Moved wit	ns bullding thin weather office ent installed		1960	1968			= =		24
Out Substitution Tive of Canonic Council Counc		la.	Weather s	service office		1960		-		=	Aneroid	24
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CHANGE TYPE OF TYPE OF TYPE OF STANDARD STANDARD STANDARD TYPE OF TRANSMITTER RECORDER GROUND		*.VBER	DATE	SURFACE WIND EDUI	PMENT INFORM	ATION						
Atop control tower 3 cup 67.3' 1. Barograph 2. Semi-auto met. 2. Semi-auto met. 2. Semi-auto met. 2. Semi-auto met. 3 cup 4. Cloud height 3 ceiling light 4. Cloud height se 1953 1500' 350° from ops bldg, N-Z AN/UMQ-5C 1958 1500' as above 3 ceiling light 4. Cloud height se 5 Transmissometer 5 Transmissometer 8' 6 Wind measuring 8' 4 Survey date unknown,		LOCATION		LOCATION		TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	REMARKS, ADDIT	IONAL EQUIPMENT.	OR REASON FOR CHAN	
* " " " Selsyn Triple 68.9" 3. Ceiling light (AN-UMQ-5] RD-108 67.3" 4. Cloud height se 1953 1500" 350° from ops bldg, N-Z AN/UMQ-5C " 2. Semi-auto met. An-UMQ-5 RD-108 67.3" 4. Cloud height se 5. Transmissometer 1962 Same as above " 8" 6. Wind measuring R RD-108 67.3" 4. Cloud height se 5. Transmissometer 1962 Same as above " 8" 8" 8" 8" 8" 8" 8" 8" 8" 8" 8" 8" 8		1. 1	nstalled	Atop control tower		3 cup						
1953 1958 1500' 350° from ops bldg, N-Z AN/UMQ-5C " 12' 6. 1962 Same as above * Survey date unknown,		1a.				Selsyn AN-UMQ-5				met. sta ight (ML- ght set (station (AN/GMQ-14A) (ML-121) et (AN/GMQ-13B)	:MQ-14A
* Survey date unknown,		3.	1953 1958 1962		2-	AN/UMQ-5				ometer (A uring set	AN/GMQ-10C) E (AN/PMQ-	~
				* Survey date unknown,								

NWSD, Federal Building Asheville, N. C.

and the same

SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

DIRNAVOCEANMET itr 3146 Ser 1032 dated 26 August 1977 (NOTAL) established the following policy for SMOS production and updating:

- Ten years of data will be used as the standard period of record (POR).
- All available data will be used for extreme values.
- Summarize (update) every five years.
- 5 year summary will be an intermediate SMOS to show secular trends. All available data through 1977 Summarize the five year period (1973-1977) for all sections of the SMOS except extremes. will be included for extreme values.
- b. The update in 1983 will include the POR 1973 through 1982, with all available data through 1982 for extreme values.
- The update in 1988 will be an intermediate SMOS (POR 1983-1987). All available data through 1987 will be included for extreme values.
- d. In 1993 the POR will be 1983 through 1992. All available data through 1992 will be used for extreme values.

Each standard POR (10 years) summary should be retained by individual stations along with the SMOS pre-pared in 1973. The retention of these summaries will provide the most comprehensive climatological file for your station.

corded by stations operated by the U.S. Navy and U.S. Marine Corps. 3-hourly observations are defined as these record or record-special observations recorded at scheduled 3-hourly intervals. Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day obser-DESCRIPTION: Preceding each section is a brief description of the data comprising each part of the summary and the manner of presentation. Tabulations are prepared from 3-hourly and daily observations recorded by stations operated by the U.S. Navy and U.S. Marine Corps. 3-hourly observations are defined vations (prepared from record-special, local, summary of the day, remarks, etc.). reasonableness prior to, or during, the processing stage. Efforts to improve the quality of the data after summarization are expensive, i.e., the improvement might consist of the elimination of one suspect or erroneous value. The cost of preparing "perfect" copy can be prohibitive due to the handwork involved. Suspect cases will occur infrequently, but users should not disregard extreme values completely as some could be valid. Questionable values will most likely be single occurrences shown by a percentage frequency of ".0". (This value indicates a percent less than ".05," which, in most cases, reflects a single observation.) Since most stations summarized now have in excess of 10,000 3-hourly observations, the occurrence of an occasional spurious value should not in itself be considered significant. Every effort is made by this office to maintain a high degree of accuracy and reliability in these tables, and the Naval Weather Service Detachment (NWSD), Asheville, N. C. welcomes your comment and criticisms.



NWSD, Federal Building Asheville, N. C.

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from 3-hourly observations, and is presented in three tables as follows:

- 1. By month and annual, all hours and years combined.
- By month and annual, all hours and years combined, by wind direction.
- . By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-wEAN sources.)

Land Control of the

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision.

to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility. may be reported in the same observation, the sums of the individual categories may exceed the percentage Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction

-

NOTE: The total number of observations may vary among tables within the same month and period. Percentages may not always equal 100.0 due to rounding practices.

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation

may occur in the same daily observation, the sum of the values in the individual columns may not equal the centage of observations. Since more than one type of precipitation or more than one type of obstruction The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than per-However, it should be noted that in this summary the columns headed summarized in these tabulations. total columns.

This presentation is by month with annual totals, and is prepared with all years combined.

A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was

Summary consists of weather conditions (horizontally) and wind directions (vertically) to 16 compass points Percentage Frequency of Wind Direction vs. Weather Conditions - This tabulation is derived from 3-hourly The main body of the (plus calm). Column totals show the number of observations. "% Total" indicates percentage frequency observations and is presented by month and annual, all hours and years combined.

Madreyan

93839 STATION

MEMPHIS, TENNESSEE

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY DBSERVATIONS

TOTAL NO. OF OBS.	155	155	155	155	155	155	155	155		1240
% OF OBS WITH OBST TO VISION	21.9	23.9	29.0	37.4	29.7	8.62	25.2	21.3		26.8
DUST AND/OR SAND										
BLOWING	0.		•			9.				2.
SMOKE AND/OR HAZE	5.8	6.5	6.9	14.2	15.5	16.1	14.8	8.4		11.0
50°	18.7	20.0	23.9	27.7	16.8	11.0	12.9	14.8		18.2
% OF OBS WITH PRECIP.	12.9	16.8	14.8	14.8	16.1	12.9	9.7	11.0		13.6 18.2 11.0
HAIL										
SNOW AND/OR SLEET	3.2	5.8	3.9	3.9	4.5	4.5	•	3.2		3.7
FREEZING RAIN &/OR DRIZZLE	1.3	1,3	1.3	4	¢	1.3		9.		6.
RAIN AND/OR DRIZZLE	0.0	11.0	10.3	11.0	11.6	4.60	0.6	7.7		8.6
THUNDER- STORMS		9	9		1.3			9.		4.
HOURS (L.S.T.)	00	03	90	60	12	15	18	12		
МОМТН	NAL									TOTALS

MEMPHIS, TENNESSEE 93839 STATION

F EB

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

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TOTAL NO. OF OBS.	161	191	161	191	191	141	141	141		1128
% OF OBS WITH OBST TO VISION	22.0	24.8	27.0	39.7	34.8	29.6	28.4	17.7		28.0
DUST AND/OR SAND		.,	7.	104	104		.,	.,		6
BLOWING										
SMOKE AND/OR HAZE	9.2	7.1	10.6	23.4	29.1	26.2	22.7	11.3		17.5
F0G	14.2	17.7	17.7	17.7	6.5	9.0	5.7	8.5		9.00
% OF OBS WITH PRECIP.	9.2	6.6	10.6	7.8	7.1	7.1	5.0	1201		0
HAIL										
SNOW AND/OR SLEET		1.64	1.4	2.1	1.4	.,		.,		1.0
FREEZING RAIN &/OR DRIZZLE										
RAIN AND/OR DRIZZLE	9.2	60	9.2	5.7	5.7	6.4	5.0	11.3		7.6
THUNDER- STORMS	104	.,	3.5		2.8			3.5		
HOURS (L.S.T.)	00	03	90	60	12	15	18	11		
MONTH	89									TOTALS

93839 MEMPHIS, TENNESSEE

73-77

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MAR

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY DESERVATIONS

									 _	
NO. OF OBS.	155	155	155	155	155	155	155	155		1240
% OF OBS WITH OBST TO VISION	10.3	16.8	5992	34.8	22.6	5.9	20.0	12.9		.5 20.7
DUST AND/OR SAND			9.	••	1.3	9.	9.			.5
BLOWING										
SMOKE AND/OR HAZE	4.9	5.8	11.0	21.3	16.8	17.4	14.8	6.9		8.9 12.3
Fog	5.8	12.3	18.1	13.5	5.8	4.5	4.5	6.9		6.8
% OF OBS WITH PRECIP.	9.7	4.0	4.8	0.6	4.4	0.6	12.9	16.1		10.4
HAIL										
SNOW AND/OR SLEET	9.	9.		9.	9.			1.3		50
FREEZING RAIN &/OR DRIZZLE					1			9.		-
RAIN AND/OR DRIZZLE	0.6	7.7	4.8	0.6	9.0	9.0	12.9	14.2		6.0
THUNDER- STORMS	2.6	2.6	1.3	1.3	1.9	1.3	3.9	7.1		80
HOURS (L.S.T.)	00	03	90	60	12	13	18	12		
МОМТН	MAR									TOTALS

0. 0. 0. 0 0 0 0

93839 STATION

0 0 0 0

MEMPHIS, TENNESSEE STATION NAME

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

TOTAL NO. OF OBS.	150	150	150	150	150	150	150	150		1200
% OF OBS WITH OBST TO VISION	10.7	18.7	32.0	29,3	21.3	18.7	20.7	15,3		20.6
DUST AND/OR SAND							.,			.1
BLOWING										
SMOKE AND/OR HAZE	4.7	6.7	12.7	84.0	16.0	14.7	15.3	11.3		8.7 13.2
50	6.7	12.7	22.0	0.9	6.7	0.4	0.0	5,3		8.7
% OF OBS WITH PRECIP.	10.0	10.7	7,3	7.3	8.0	6.9	10.7	6.7		8.8
HAIL										
SNOW AND/OR SLEET										
FREEZING RAIN &/OR DRIZZLE										
RAIN AND/OR DRIZZLE	10.0	10.7	7,3	7.3	8.0	9.3	10.7	6.7		80
THUNDER- STORMS	2.7	2.0			1.3	2.0	3.3	2.0		1.7
HOURS (L.S.T.)	00	03	90	60	12	15	18	21		
МОМТН	APR									TOTALS

MEMPHIS, TRINNESSEE 93839 STATION

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

TOTAL NO. OF OBS.	155	155	155	155	155	155	155	195	. 0	1240
% OF OBS WITH OBST TO VISION	21.9	27.7	51.6	45.6	32.3	27.1	21.9	21.9		30.08
AND/OR SAND										
BLOWING										
SMOKE AND/OR HAZE	14.2	14.2	33.5	35.5	28.4	23.2	18.1	1601		22.9
S S	7.6	16.8	26.5	4.6	3.9	4.5	4.5	6.5		16.1 22.0
% OF OBS WITH PRECIP.	7.7	7.1	4.6	9.7	7.6	0.6	7.7	7.7		4
HAIL										
SNOW AND/OR SLEET										
FREEZING RAIN &/OR DRIZZLE										
RAIN AND/OR DRIZZLE	7.7	7.1	9.4	9.7	6.7	0.6	7.7	7.7		4
THUNDER. STORMS	113	3.2	103	3.2	206	109	4.5	3.9		7.7
HOURS (L.S.T.)	90	03	90	60	12	15	8	112		
MONTH	MAY									TOTALS

MEMPHISA TENNESSEE 93839 STATION

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PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

TOTAL NO. OF OBS.	150	150	150	150	150	150	150	150		1200
% OF OBS WITH OBST TO VISION	21.3	22.0	96.0	44.7	30.7	18.7	22.7	18.7		29.4
DUST AND/OR SAND										
BLOWING										
SMOKE AND/OR HAZE	15.3	13,3	43.3	45.0	28.0	18.0	20.7	16.7		7.3 24.7
FOG	8.7	11.3	24.7	5.3	3,3		2.0	2.0		6
% OF OBS WITH PRECIP.	4.7	4.7	5.3	8.0	4.7	4.7	4.0	3.3		0.4
HAIL		7.								
SNOW AND/OR SLEET										
FREEZING RAIN &/OR DRIZZLE										
RAIN AND/OR DRIZZLE	4.7	4.7	× ×	8	4.7	4.7	4.0	3,3		6.4
THUNDER- STORMS	103	2.7			103	3.3	0.4	103		1
HOURS (L.S.T.)	8	03	90	60	12	15	18	12		
МОМТН	NOP									TOTALS

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MEMPHISA TENNESSEE

93839 STATION

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
100	00	109	3.9				3.9	13.5	35.5			41.3	185
	03	9.	1.3				1.3	23.9	36,8			46.5	155
	90	3,2	3.2				3.2	41.3	66.5			84.5	195
	60	9.	3.9				3,9	5.2	0000			63.9	155
	12	2.6	3.9				3,9	1.3	51.00			51.6	185
	15	2.6	2.6				2.6	9.	43.9			43.9	155
	18	9.7	7.1				7,1	1,3	43.9			44.5	155
	17	3.2	2.6				2.6	4.8	42.6			47.1	155
TOTALS			3.6				3.6	11.9 47.5	47.5			52.9	1240

MEMPHIS, TENNESSEE STATION NAME 93839 STATION

73-77

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

										Section 2	
TOTAL NO. OF OBS.	155	155	155	155	195	155	195	155			1240
% OF OBS WITH OBST TO VISION	40.6	49.7	9000	65.2	43.9	38.7	44.5	43.9			50.9
DUST AND/OR SAND											
BLOWING											
SMOKE AND/OR HAZE	32.9	33.5	52.9	62.6	41.9	36.8	43.2	41.3			43.1
50 S	18.1	35.5	65.2	5.2	1.9	2.6	3.2	5.8			3.7 17.2 43.1
% OF OBS WITH PRECIP.	3.9	4.5	4.5	3.2	3.2	6.5	1.9	1.9			3.7
HAIL											
SNOW AND/OR SLEET											
FREEZING RAIN & OR DRIZZLE											
RAIN AND/OR DRIZZIE	3.9	4.5	4.5	3.2	3.2	6.5	1.9	6			3.7
THUNDER- STORMS	200	1.9	1.9	9	3.0	3.9	1.9	1.3			2.3
HOURS (L.S.T.)	00	03	90	60	12	15	18	21			
MONTH	AUG										TOTALS
	1	1	1	1							

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CONDITIONS WEATHER

93839 STATION

MEMPHIS, TENNESSEE

73-77

YEARS

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PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY DESERVATIONS

50 % OF OBS WITH PRECIP. HAIL

SNOW AND/OR SLEET

FREEZING RAIN &/OR DRIZZLE

RAIN AND/OR DRIZZLE

THUNDER-STORMS

HOURS (L.S.T.)

MONTH

SMOKE AND/OR HAZE

BLOWING 30.7

DUST AND/OR SAND

20.0

5.3

00

SEP

0.0.0

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103

90

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150

NO. OF

% OF OBS WITH OBST TO VISION

48.0 41.3

808

150

150

57.3 42.0 76.7

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10.7

10.7

1.3

60

0

2.0

1.3

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13

45.3

56.0

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150

40.0

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TOTALS

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MEMPHISA TENNESSEE

93839 STATION

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

TOTAL NO. OF OBS.	155	185	155	155	155	185	155	185		1240
% OF OBS WITH OBST TO VISION	17.4	25.8	63.2	51.0	30.3	53.9	32.3	23.2		33.4
DUST AND/OR SAND										
BLOWING										
SMOKE AND/OR HAZE	10.3	11.0	29.0	44.5	28.4	21.9	28.4	19.4		24.1
50 S	4.6	19.4	47.7	9.7	3.2	2.6	3.9	8.8		6.8 19.6 24.1
% OF OBS WITH PRECIP.	7.1	4.4	7.7	6.5	5.2	5.8	5.8	6.5		
HAIL										
SNOW AND/OR SLEET										
FREEZING RAIN &/OR DRIZZLE										
RAIN AND/OR DRIZZLE	7.1	9.7	7.7	6.8	5.2	5.8	. 80	6.3		4
THUNDER- STORMS	4.					9.	9.	9		
HOURS (L.S.T.)	9	03	90	60	12	15	18	17		
МОМТН	100									TOTALS

0 0 0 0 0

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MEMPHIS, TENNESSEE 93839 STATION

73-77

NON

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

TOTAL NO. OF OBS.	150	190	150	150	150	150	150	150		1200
% OF OBS WITH OBST TO VISION	18.0	21.3	32.7	45.0	30.7	26.7	23.3	18.0		26.6
DUST AND/OR SAND										
BLOWING										
SMOKE AND/OR HAZE	0.0	6.7	12.7	23.3	17.3	18.0	14.7	8.0		13.3
506	13.3	16.0	23,3	21.3	15.3	10.0	13.3	12.7		10.6 15.7 13.3
% OF OBS WITH PRECIP.	12.0 13.3	11.3	14.0	12.0	6.3	6.6	6.7	10.0		9
HAIL									R.	
SNOW AND/OR SLEET						. 7				5
FREEZING RAIN &/OR DRIZZLE										
RAIN AND/OR DRIZZLE	12.0	10.7	13.3	11.3	8.7	8.7	0.9	10.0		1.01
THUNDER- STORMS		2.0	2.0		1.3			1.3		1
HOURS (L.S.T.)	90	03	90	60	12	15	18	21		
МОМТН	NON									TOTALS

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MEMPHIS, TENNESSEE STATION NAME 93839 STATION

73-77

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	503	SMOKE AND/OR HAZE	BLOWING	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	00	9.	9.0		1.9		11.0	16.8	9.0			21.3	155
	03	9.	12.3	9.	1,3		13.5	16.1	4.5			18.1	155
	90		9.7		143		11.0	20.0	6,5			25.2	155
	60		9.7		2.6		12.3	24.5	26.5			46.5	155
	12		9.0		1,3		10.3	15.5	21.3			35.5	185
	15		0.6		1,3		10.3	11.6	21.9			32.3	195
	18		11.0		1.9		12.9	12,3	18.7			30.3	185
	21	9.	11.0		9.		11.0	15.5	11.0			23.2	155
TOTALS		.2	1,01		1.5		11.5	16.5	14.9			29.1	1240

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MEMPHIS, TENNESSEE

73-77

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

											-		
TOTAL NO. OF OBS.	1240	1128	1240	1200	1240	1200	1240	1240	1200	1240	1200	1240	14608
% OF OBS WITH OBST TO VISION	8.02	28.0	20.7	20.8	30.9	29.4	52,9	50.9	50.4	33.4	56.6	29.1	33,3
DUST AND/OR SAND		6.	5.	1.									•1
BLOWING	2												0.
SMOKE AND/OR HAZE	11.0	17.5	12.3	13,2	22.9	24.7	47,5	43.1	40.3	24.1	13.3	14.9	23.7
50	18.2	11.9	6.8	8.7	10.1	7.3	11.9	17.2	18.0	12.6	15.7	16.5	13.1
% OF OBS WITH PRECIP.	13.6	9.8	10.4	80	4.80	6.4	3.6	3.7	7.9	8.0	10.6	11.5	8.2
HAIL		1				-							0.
SNOW AND/OR SLEET	3,7	1.0	3.								5	1.5	9.
FREEZING RAIN &/OR DRIZZLE	e.		-									-	-
RAIN AND/OR R DRIZZLE	8	7.6	6.6	20	4	6.4	3.6	3.7	7.9	6.8	10.1	10.1	7.6
THUNDER- STORMS	4	1.5	2.8	1.7	2.7	101	3.1	2.3	102	6.	==	.2	1.6
HOURS (L.S.T.)	ALL												
MONTH	MAN	80 14	MAR	APR	MAY	NO.	100	AUG	SEP	100	NOV	DEC	TOTALS

0.0.0.0

WEATHER CONDITIONS ATMOSPHERIC PHENDMENA

93839 STATION

MEMPHIS, TENNESSEE

49-77

ALL

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM DAILY OBSERVATIONS

TOTAL NO. OF OBS.	936	755	837	910	154	912	920	670	648	800	855	984	10117
% OF OBS WITH OBST TO VISION	57.0	56.4	51.6	49.0	50.8	57.3	0.99	71.0	62.7	58.0	55.4	58.6	97.9
AND/OR SAND			1.0		•	•.			*			.2	
BLOWING	1.3		*									.2	~
SMOKE AND/OR HAZE	36.4	38.7	35.4	31.9	37.1	46.1	54.7	99.9	49.7	1004	42.1	36.4	42.7
506	**:	41.7	33.5	33.0	34.2	34.9	46.1	54.3	51.0	4.00	39.9	46.2	41.9
% OF OBS WITH PRECIP.	47.0	46.1	47.3	46.9	41.2	37.6	40.4	32.9	35.6	56.9	38.2	45.9	40.5
HAIL		3.	1.9	*	3 0			~	7.		2.	~	
SNOW AND/OR SLEET	14.6	9.7	0.0	an.	7.					7	3.4	8.4	3.6
FREEZING RAIN &/OR DRIZZLE	5.5	1.7	•	-								1.4	
RAIN AND/OR P DRIZZLE	41.1	41.7	44.4	46.9	41.1	37.6	+0.4	32.9	35.6	26.9	36.8	42.9	39.0
THUNDER- STORMS	6.3	9.4	14.9	22.5	22.2	24.0	29.8	21.4	11.9	9.6	7.1	6.4	15.0
HOURS (L.S.T.)	DAILY												
МОМТН	ZAZ	FEB	A A	APR	MAY	S	100	AUG	SEP	100	VON	DEC	TOTALS

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MEMPHIS, TENNESSEE 93839 STATION

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JAN 73 - DEC 77

JANUARY

ALL HOURS (L.S.T.)

73.2 69.4 68.6 9.19 10.3 0.99 WEATHER BLOWING SAND AND DUST BLOWING • SNOW 10.2 10.5 30.0 9.1 SMOKE 2.00 1.04 2.9 GROUND FOG 10.01 22.3 10.4 F0G 2.9 THUNDER HAIL SMALL HAIL SNOW
" GRAINS
" PELLETS
" SHOWERS 1.0 4.0 8 01 . 9 SLEET
-- SHOWERS
ICE
CRYSTALS FREEZING RAIN FREEZING DRIZZLE 0.4 3.2 1.9 2.9 : DRIZZLE

TOTAL NUMBER OF OBSERVATIONS

1,240

68.8

853

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ALL HOURS (L.S.T.) FEBRUARY JAN 73 - DEC 77 MEMPHIS, TENNESSEE 93839 STATION

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NO	50.0	51.3	38.2	61.8	68.4	0.09	85.7	70.4	75.0	57.5	60.3	80.8	78.3	84.8	0.69	72.7			767	68.0
BLOWING SAND AND DUST																		\bigvee		
BLOWING																		\bigvee		
SMOKE	17.3	25.6	20.6	14.7	19.3	13.3	1.1	8.5	12.9	30.0	\$5.22	7.7	11.7	10.9	11.3	16.4		X	167	14.8
ICE FOG GROUND FOG			2.9	8 . 8	1.8	4.4		1.04	•	1.3			1.7		1.04	3.6		X	56	2.3
F0G	25.5	25.6	38.2	11.8	7.0	8.9		1.4	1.6	3.8	10.3	3.8	3.3	2.2	12.7	5.5		V	108	0.6
THUNDER	2.7		2.9		1.8	2.2	1.8	1.6		5.5	6.9		1.7						17	1.5
HAIL SMALL HAIL																		M		
SNOW " GRAINS " PELLETS " SHOWERS	2.7											1.9		2.2	0.	1.8		M	11	1.0
SLEET S "SHOWERS ICE CRYSTALS	0.																	\bigvee	-	
FREEZING RAIN FREEZING DRIZZLE																		\bigvee		
DRIZZLE	6.	2.6	2.9			2.2	1.8	1.4	1.5	1.3								\bigvee	0	
RAIN	2.7	2.6	5.9	5.9	1.8	4.4			2.3	1.3	5.2		1.7	2.2	1.4	3.6		N N	32	8.2
NAN	10.9	5.1	80	14.7	7.0	13.3	1.8	4.2			5.2	1.9			1.4	3.6		N N	4	0.4
WIND	z	NNE	A N	ENE	ш	ESE	SE	SSE	s	SSW	SW	WSW	*	WNW	MN	MNN	VARIABLE	CALM	TOTAL	% TOTAL

TOTAL NUMBER OF OBSERVATIONS

1,128

NAVWEASERVCOM

MEMPHIS, TENNESSEE STATION NAME

STATION

ALL HOURS (L.S.T.)

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NO	17.2	10.8	85.4	0.69	10.9	10.4	14.3	74.3	67.8	75.0	62.7	65.9	84.3	86.3	66.7	13.8			106	72.7
SAND AND DUST																		\bigvee		
BLOWING																		\bigvee		
SMOKE	1.6	2.4	2.0	16.7	5.8	8.5	4.3	4.4	17.2	12.5	17.6	14.5	3.9	7.8	3.3	12.3			122	8.6
ICE FOG GROUND FOG	1.3	2.1	2.1		6.4	1.04	6.9	1.1		1.8								Ž	22	1.08
50	10.1	10.4	8.3	7.1	10.7	8.5	10.0	6.3	9.4	4.5	2.0	7.3	7.8	5.9	8.3	4.0		2	8	7.
THUNDER	2.5		2.4	5.4	2.9	4.1	2.1	4.3	5.9	6.	2.0	6.4	5.0		3.3	4.0		\bigvee	60	2.7
HAIL SMALL HAIL																		M		
SNOW " GRAINS " PELLETS " SHOWERS		2.1												2.0	1.1	1.5		M	3	
SLEET SHOWERS ICE CRYSTALS		2.1			1.0										1.7	1.5		M	4	•
FREEZING RAIN FREEZING DRIZZLE																		M	-	7.
DRIZZLE	5.1	8 . 3	,		1.0	1.4					2.0	4.2						M	-	1.00
RAIN	6.9	2.1	4.2	7.1		4.2	-			3.6	2.0	4.9	7.8	2.0	6.7	2.6		X	90	5.2
RAIN	2.5	20	2.1	5.4	0.8	0.7	2.9	1.4	3.4	1.8		5.4			11.0	1.5		X	1,4	3.8
WIND	z	NNE	NE	ENE	E	ESE	SE	SSE	s	SSW	SW	WSW	*	WNW	WN	MNN	VARIABLE	CALM	TOTAL	% TOTAL

TOTAL NUMBER OF OBSERVATIONS

1,240

NAVWEASERVCOM

MEMPHIS, TENNESSEE

93839 STATION

A

ALL HOURS (L.S.T.)

APRIL	2004
77	30
3 - DEC 77	200
N 73	
Z	

71.8 75.8 64.4 87.0 83.3 73.3 893 74.4 72.7 X BLOWING SAND AND DUST BLOWING C.X 12.2 131 10.9 SMOKE 0 1.6 ICE FOG GROUND FOG X 63 84.00.48 5.1 1:1 7.1 FOG 3.000 20 1.9 8.4 1.1 THUNDER HAIL SMALL HAIL SNOW
" GRAINS
" PELLETS
" SHOWERS SLEET
.. SHOWERS
ICE
CRYSTALS FREEZING RAIN FREEZING DRIZZLE 30 60 40. 1.6 1.3 1.2 1: DRIZZLE 4.1 1.50 6.3 3.6 4.0 3.4 4.3 51 RAIN 3.6 11.8 3.9 6.8 V : RAIN VARIABLE TOTAL % WIND CALM WSW NN N ×××× NNE ENE ESE SSE SSW SE SW ₹ Z Ä 3 z Ш S

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TOTAL NUMBER OF OBSERVATIONS

1,200

NAVWEASERVCOM

MEMPHIS, TENNESSEE 93839 STATION

JAN 73 - DEC 77

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NO	67.7	1.99	8.09	56.9	61.7	65.3	4.60	14.4	63.7	63.4	63.9	73.5	63.2	15.0	0000	72.9		X	808	65.2
BLOWING SAND AND DUST																		\bigvee		
BLOWING																		\bigvee		
SMOKE	23.1	27.1	25.7	23.5	20.0	17.3	4.27	6.8	52.5	54.4	31.1	11.8	18.4	3.0	14.3	12.5		X	263	21.2
ICE FOG GROUND FOG	3.1		1.4	3.9	2.5	1.3	4.7	2.6	•			2.9				2.1		V N	33	2.7
509	2.6	3.4	9.5	13.7	15.8	10.7	3.5	5.6	5.1	4.9	4.9	5.9	5.3	7.1	8.0	2.1		X	92	4.4
THUNDER	3.1	3.4		2.0	2.5	1.3	5.4	6.7	3.6	1.2	1.6	5.9	4.9	3.6	5.7				34	2.7
HAIL SMALL HAIL																		M		
SNOW " GRAINS " PELLETS " SHOWERS																		\bigvee		
SLEET " SHOWERS ICE CRYSTALS																		\bigvee		
FREEZING RAIN FREEZING DRIZZLE																		\bigvee		
DRIZZLE					•	1.3		1.1	9.									\bigvee	4	•
RAIN	2.9		1.4	5.9	7.9	6.4	3.5	7.8		7.2	3.3	5.0	7.9	14.3	11.4	8		X \	40	5.5
RAIN		3.1	9.5	3.9	4.2	0.8	2.4		1.3	5.4			2.6		2.1	4.2		X	9	5.9
WIND	z	NNE	Ä	ENE	ш	ESE	SE	SSE	S	SSW	SW	WSW	×	WNW	W	MNN	VARIABLE	CALM	TOTAL	% TOTAL

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TOTAL NUMBER OF OBSERVATIONS

1,240

NAVWEASERVCOM

MEMPHIS, TENNESSEE STATION NAME 93839 STATION

0

JAN 73 - DEC 77

JUNE

ALL HOURS (L.S.T.)

WEATHER	71.6	78.4	19.3	52.4	62.0	59.3	0.49	0.69	65.6	70.3	62.6	73.0	19.4	85.2	81.8	54.3			818	68.0
BLOWING SAHD AND DUST																		X		
BLOWING																		X		
SMOKE	1001	11.8	17.2	28.6	24.1	20.3	24.4	25.0	23.0	20.9	26.1	15.9	8.8	11.1	12.1	30.4		X	252	0.12
ICE FOG GROUND FOG	3.6			5.4	3.8	5.1	1.2	3.6	1.6							4.3		V	22	1.8
50	1.7	3.9		5.4	6.0	8.5	8.1	3.6	9.9	5.3	5.6	1.0	1.5	3.7	6.1	13.0		V	6.5	3.4
THUNDER	3.6			3.0	3.8		1.2		3.3	1.1	2.6	3.2	4.4	3.7				X	21	1.8
HAIL SMALL HAIL													1.5					X	-	
SNOW GRAINS PELLETS SHOWERS																		X		
SLEET " SHOWERS ICE CRYSTALS																		X		
FREEZING RAIN FREEZING DRIZZLE																		\bigvee		
DRIZZLE											6.					4.3		\bigvee	3	
RAIN				2.4	1.3	6.9	3.5	3.6	3.3	4.4	6.1	4.8	4.4	3.7	6.1			X	37	3.1
RAIN	3.6	5.9			33	3.4	2.3	1.2		2.2			1.5					X	19	1.6
WIND	z	NNE	Ä	ENE	ш	ESE	SE	SSE	s	SSW	SW	WSW	*	WNW	WN	MNN	VARIABLE	CALM	TOTAL	% TOTAL

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TOTAL NUMBER OF OBSERVATIONS

1,199

MEMPHIS, TENNESSEE 93839 STATION

JAN 73

JULY

ALL HOURS (L.S.T.)

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NO	49.1	41.5	46.3	47.4	95.6
BLOWING SAND AND DUST					
BLOWING					
SMOKE	36.4	45.3	37.0	35.1	58.5
GROUND FOG	7.3	3.8	3.7		2.1
50	7.3	3.8	3.7	5.3	2.1
THUNDER	1.8	3.8	3.6		2.4
HAIL SMALL HAIL					
SNOW " GRAINS " PELLETS " SHOWERS					
SLEET SLEET STACKERS ICE CRYSTALS					
FREEZING RAIN FREEZING DRIZZLE					
DRIZZLE				1.8	

SAND	DUST																		\bigvee		
BLOWING	NONS																		\bigvee		
SMOKE	HAZE	36.4	45.3	37.0	35.1	29.5	35.1	1.82	30.2	38.5	45.0	33.8	33.3	35.4	17.5	41.9	41.4			434	35.0
ICE FOG	FOG	7.3	90	3.7		2.1	7.0	3.1	3.5	5,5	5.0	10.4		1.0			3.4			65	2.5
FOG		7.3	3.8	3.7	5.3	2.1	3.3	4.6	6.6	7.3	6.9	5.5	6.1			3.6	13.6		V	33	6.7
THUNDER		1.8	3.8	5.6		2.4	2.0	3.1	1.2	9.0	2.5	1.3	3.6	6.8	5.5	6.9	3.4		X	3.8	3.1
HAIL																			\bigvee		
SNOW GRAINS	" SHOWERS																		\bigvee		
T	CRYSTALS																		\bigvee		
FREEZING	DRIZZLE																		\bigvee		
DRIZZLE					1.8														\bigvee		• 1
N A	SHOWERS	3.6	5.7			3.2	1.8	6.3		9.0		3.9		5.4		3.2	13.8			36	2
NIA		1.8		1.9		2.1								2.7					Ž	60	9.
WIND	DIRECTION	z	NN	Ä	ENE	В	ESE	SE	SSE	s	SSW	SW	wsw	*	WNW	×Z	MNN	VARIABLE	CALM	10101	% TOTAL

0

54.7 37.0 39.0 39.2 39.2 39.2 39.2 39.2 39.2

TOTAL NUMBER OF OBSERVATIONS

1,240

546

No.

NAVWEASERVCOM

WEATHER

BLOWING SAND AND DUST

BLOWING

SMOKE

ICE FOG GROUND FOG

FOG

THUNDER

HAIL SMALL HAIL

SNOW
" GRAINS
" PELLETS
" SHOWERS

SLEET
" SHOWERS
ICE
CRYSTALS

FREEZING RAIN FREEZING DRIZZLE

DRIZZLE

RAIN

RAIN

DIRECTION

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PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

MEMPHIS, TENNESSEE 93839

JAN 73 - DEC 77

AUGUST

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48.8 32.2 32.2 37.0 57.0 55.7 56.7 56.7

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TOTAL NUMBER OF OBSERVATIONS 368 1001

125

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2.3

34

% TOTAL TOTAL

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9.9

1,240

579

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NAVWEASERVCOM

MEMPHIS, TENNESSEE STATION NAME 93839 STATION

JAN 73 - DEC 77

SEPTEMBER

ALL HOURS (L.S.T.)

WEATHER	51.3	53.	57.3	40.2	41.3	37.0	56.	53.	48.	56.	45.	31.6	45.0	34.	040	40.		
BLOWING SAND AND DUST																		\bigvee
BLOWING																		X
SMOKE	26.3	1.02	28.0	562	1.62	32.9	13.3	23.4	33,3	22.7	29.0	15.8	20.0	21.7	16.0	19.3		
ICE FOG GROUND FOG	7.2	2.3	1.3	4.9	11.6	6.8	2.0	2.6		8.0		5.3				8.8		
F0G	9.9	11.4	5.3	12.2	12.3	8.2	13.3	18.2	10.6	11.4	6.5	15.8	2.0	13.0	8.0	15.8		
THUNDER	2.0	1:1	2.7		1.6	1.6	1.1	1.3	1.5						0.,	1.8		\bigvee
HAIL SMALL HAIL																		X
SNOW GRAINS PELLETS SHOWERS																		\bigvee
SLEET " SHOWERS ICE CRYSTALS																		\bigvee
FREEZING RAIN FREEZING DRIZZLE																		\bigvee
DRIZZLE			1.3								3.2							X
RAIN	3.3	2.3	2.7	2.4	2.2	5.5	5.0	6.9	7.6	4.5	3.2			8.7	4.0	10.5		X
RAIN	3.9	4.5	0.4	11.0	2.9	1.4	1:1		7.6			5.3	20.0	8.7		20		
WIND	z	N N	N M	ENE	Ш	ESE	SE	SSE	s	SSW	NS.	WSW	*	WNW	WN	MNN	VARIABLE	CALM

O.

TOTAL NUMBER OF OBSERVATIONS

1,200

560

318

88

128

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TOTAL % TOTAL

NAVWEASERVCOM .

MERDIIS, TENNESSER 93839 STATION

12648 - 1644

0

JAN 73 - DEC 77

OCTOBER

ALL HOURS (L.S.T.)

56.50 191 64.3 P BLOWING SAND AND DUST BLOWING 221 X SMOKE NA NA 82 12.5 2.9 3,3 ICE FOG GROUND FOG 0.011 1.00 E 40.9 S FOG 1.0 1.3 3 . 1 THUNDER HAIL HAIL SNOW
" GRAINS
" PELLETS
" SHOWERS SLEET
" SHOWERS
ICE
CRYSTALS FREEZING RAIN FREEZING DRIZZLE 1.9 3.4 DRIZZLE 4 ... 00 V 1.2 4.4 3.3 RAIN 4.6 RAIN VARIABLE % TOTAL DIRECTION CALM TOTAL WIND ENE WSW WN WN MNN NNE NE ESE SSE SSW SW SE 3 ш 5

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TOTAL NUMBER OF OBSERVATIONS

1,240

and and and and

MEMPHIS, TENNESSEE STATION NAME 93839 STATION

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NOVEMBE	MONTH
73 - DEC 77	YEARS

	(L.S.T.)
ALL	HOURS (L
œ	1
MOVEMBER	н
=	NON

NO	54.5	62.0	4.69	62.2	72.1	64.4	64.9	14.1	2.19	63.0	72.7	81.8	71.9	73.1	84.6	74.0		X	826	68.8
BLOWING SAND AND DUST																		\bigvee		
BLOWING																		\bigvee		
SMOKE	19.8	15.5	15.4	13.5	9.8	6.0	6.6	9.6	12.2	13.6	11.4	6.1	10.5	13.5	4.6	2.0		N V	137	11.
ICE FOG GROUND FOG				2.7	1.6	8.5	2.5		1.4	7.2			1.8	1.9				X	17	1.0
50	28.7	18.3	13.5	21.6	11.5	11.9	6.4	7.2	16.5	16.0	13.6	6.1	14.0	15.4	10.8	20.0		X	171	14.3
THUNDER	1.0	1.4	1.9	2.5			7.5		3.6	1.2								\bigvee	13	1:1
HAIL SMALL HAIL																		\bigvee		
SNOW " GRAINS " PELLETS " SHOWERS		1.4	1.9													2.0		\bigvee	G	. 3
SLEET " SHOWERS ICE CRYSTALS	1.0	1.4														2.0		\bigvee	W	.3
FREEZING RAIN FREEZING DRIZZLE																		\bigvee		
DRIZZLE	2.0	4.2			3.3	5.1		1.2	•	2.5			1.8	1.9				\bigvee	16	1.3
RAIN	1.0	-	3.8	10.8	4.9	10.2	8.6		7.9			6.1	1.8					\bigvee	4	3.8
RAIN	5.0	5.6	7.7	5.4	9.0	3.4	7.4	8.4	6.5	2.3	9.1	3.0	3.5		3.1	10.0			59	4.9
WIND	z	NNE	Ä	ENE	В	ESE	SE	SSE	s	SSW	SW	WSW	*	WNW	WZ	MNN	VARIABLE	CALM	TOTAL	% TOTAL

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TOTAL NUMBER OF OBSERVATIONS

1,200

NAVWEASERVCOM

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MEMPHIS, TENNESSER 93839 STATION

ALL HOURS (L.S.T.)

DECEMBER

300

58.8 61.0 73.3 67.0 57.5 28.6 70.1 68.8 82.4 72.6 81.0 727 56.7 WEATHER BLOWING SAND AND DUST BLOWING NONS + 0 5 - 1 6 0 M C - 1 0 0 M D - 1 M D No. 141 SMOKE HAZE 1.6 2004 2.5 1.0 2.1 ICE FOG GROUND FOG 185 0.7 14.3 16.1 FOG 1.0 2.0 . 8 THUNDER SMALL HAIL -0 5 4 6 6 SNOW "GRAINS "PELLETS "SHOWERS 8 . 4 X SLEET
.. SHOWERS
ICE
CRYSTALS 7 • FREEZING RAIN FREEZING DRIZZLE 3.6 2.0 8 1.0 2.6 6.9 X 2.4 3.8 1.7 -DRIZZLE 1.0 2.0 E 0 -1 1.0 4.8 RAIN X 83 3.8 6.7 11.5 KAIN VARIABLE % TOTAL DIRECTION CALM TOTAL NNN WIND ENE NNE ESE WSW N N SSE SSW š Ä SE SW z ш S *

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TOTAL NUMBER OF OBSERVATIONS

1,240

NAVWEASERVCOM

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PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

MEMPHIS, TENNESSEE 93839 STATION

JAN 73 - DEC 77

ALL

NO	2065	1.29	600	56.4	57.0	57.2	9099	67.0	1.40	6.79	2.09	1.89	1.69	700	12.8	0000			9176	62.8
BLOWING SAND AND DUST									-									\bigvee	-	0.
BLOWING	.2												7.					\bigvee	•	0.
SMOKE	19.6	21.0	21.0	21.2	\$002	17.6	14.8	10.1	19.5	61.3	0.02	13.1	15.7	0.6	100	13.3			2653	18.2
ICE FOG GROUND FOG	3.2	1.5	1.93	2.8	6.0	7.0	4.4	2.0	1.0	103	1.0	•		0		101		V	554	3.8
50	14.5	0.6	10.3	10.5	10.3	9.7	7.8	0.0	8.1	*	7.8	6.3	0.0	6.8	8.6	13.9			1358	9.3
THUNDER	1.5	1.0	1.	1.0	1.8	1.2	1.0	1.8	5.5	1.1	1.1	2.3	3.0	1.	1.3	1.2		X	231	0.
HAIL SMALL HAIL													7.					M	-	0.
SNOW GRAINS PELLETS SHOWERS	1.6	1.0	7.7	2.	-:		7.		•	•		2.	•	•	5.9	5.0		X	10	5
SLEET " SHOWERS ICE CRYSTALS		3.		7.		-	-								2.	•		X	21	1
FREEZING RAIN FREEZING DRIZZLE	*.		•													0.		V	-	-
DRIZZLE	1.2	1.4	10.3			1.2	•			003		7.		1.93	3.	1.5		V	120	0
RAIN	2.8	1.1		4.6			4.3	4.3	4.4	2.1	3.5	2.9	4.1	3.4	3.4	4.7		V	473	4.2
NA	5.4	0.4	5.6	5.5	5.6	9.6	4.0	2.5	5.5	1.6	5.4	1.9	2.0	1.	7.4	2.1		X	524	3.6
WIND	z	NNE	N.	ENE	ш	ESE	SE	SSE	s	SSW	NS.	WSW	*	WNW	MN	MNN	VARIABLE	CALM	TOTAL	OF TOTAL

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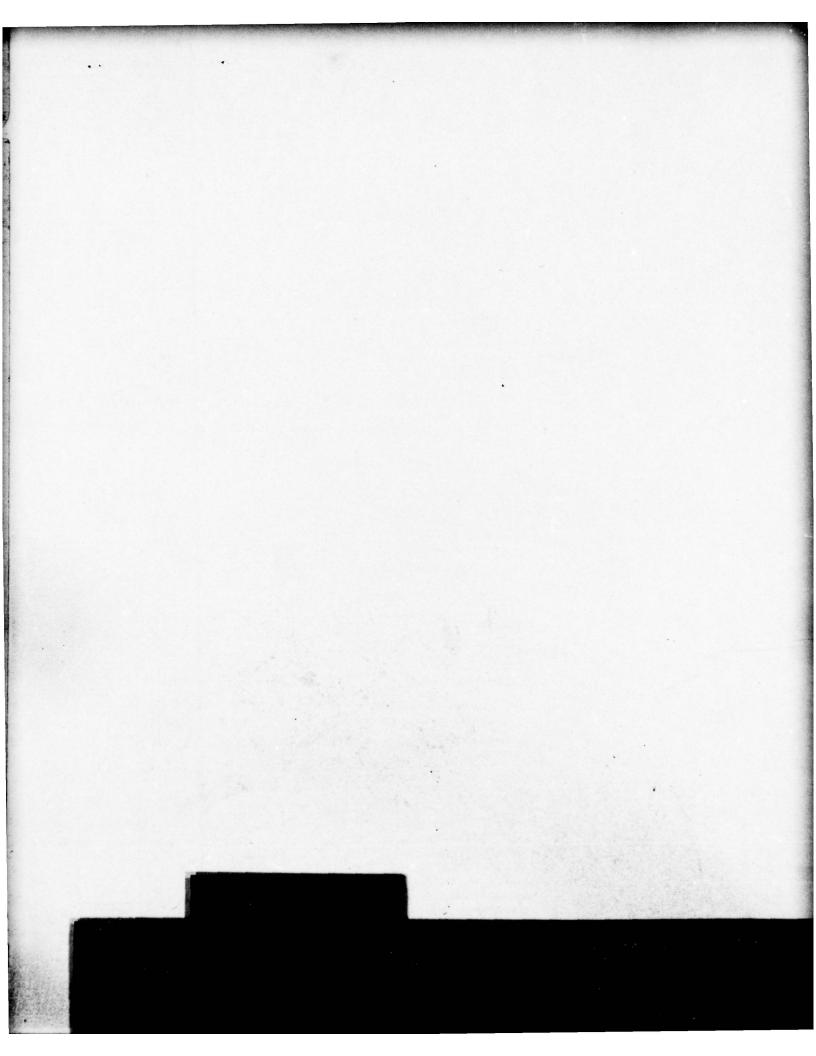
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TOTAL NUMBER OF OBSERVATIONS

14,607

NAVWEASERVCOM



PART B

PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION

DERIVED FROM DAILY OBSERVATIONS

DERIVED FROM DAILY OBSERVATIONS

SNOW DEPTH

SNOWFALL*

DERIVED FROM DAILY OBSERVATIONS

- The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly latter statistics above are not presented for the snow depth summary since they would have limited use and and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). may be misleading.
- The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing. ä

Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations

From beginning of record thru 1945 Jan 46-May 57

Jun 57-present

Snow depth at 0800 LST Snow depth at 1230 GCT Snow depth at 1200 GCT

From beginning of record thru Jun 52 Jul 52-May 57

Snow depth at 1230 GCT Snow depth at 1230 GCT Snow depth at 1200 GCT

U. S. Navy and Weather Bureau Stations

Jun 57-present

* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956,

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF PRECIPITATIONS (FROM DAILY OBSERVATIONS)

MEMPHIS, TENNESSEE STATION NAME

45-460 490

51-77

NTS		LEAST		.83	1.49	.67	1,95	.88	.41	. 53	.18	.12	.02	. 59	.88	X
MONTHLY AMOUNTS	(INCHES)	GPFATEST		69.6	9.28	2.37		1.91	4.27	8.49	7.40	64.6	7.66	29.2	9.72	X
MONT		MEAN		4.20	4.52	5.1312.37	5.0911.05	4.951	3.48	3,53	2.95	3.74	5.49	4.011	4.70	8.39
	NO.	0 0 SS.		837	763	637	840	837	910	837	837	840	868	870	868	1004448.39
PERCENT	OF DAYS	MEASUR-	AMTS	3361	33,8	35.1	35.4	3043	26,3	29,4	22,0	8442	2002	27,8	32,1	29,2
	2.51-5.00 5.01-10.00 10.01-20.00 OVER 20.00 OF DAYS	OVER 50.4	OVER 120													
	10.01-20.00	25.5-50.4	61-120													
	3.01-10.00	15.5.25.4	49.60													0.
	2.51-5.00	10.5.15.4	37.48			•	9.		2.	1.		. 5	. 2	9.	1.0	
	1.01.2.50	4.5.10.4	25-36	3.0	4.2	3.7	3.6	3.9	3.0	3.1	1.9	4.0	1.6	3.6	5.9	3.5
CHES)	51.1.00	4.5.6.4	13.24	9.6	5.0	8.9	7.5	5.3	0.	4.7	4.3	3.6	3.6	4.1	5.9	5.1
AMOUNTS (INCHES)	.2650	3.5.4.4	7.12	9.4		8.0	6.0	5.7	0.4	4:7	3.8	3.3	*:	9.4	4.6	9.0
AMO	.1125	2.5.3.4	9.4	7.0	9.0	7.6	5.1	5.0	3.6	0.0	3.5	4.3	3.2	9.4	6.9	5.5
	0190.	1.5-2.4	6	4.	5.0	3.0	4.2	3.5	3.5	3.6	2.5	3.3	3.6	3.1	3.2	3.6
	.0205	0.5-1.4	2	3.6	8.	9.0	6.1	6.4	6.4	9.0	4.3	4.9	3.1	4.1	m.	4.7
	6.	4.0.1.0	-	2.2	2.0	1.0	1:4	1.0	1:1	1:7	1.2		1.4	1.5	1.6	1:5
	TRACE	TRACE	TRACE	14.6	12,3	12.4	10.4	11.5	10,9	10,0	10.6	6.9	7.9	10,3	13,8	11,2
	NONE	NON	NON	52.3	53.9	52.4	54.3	58.2	62.8	9.09	4.10	0.00	71.9	61.8	94.0	98.6
	PRECIP.	SNOWFALL	SNOW.		2	MAR	APR	MAY	N S) In	AUG	SEP	50	NO N	DEC	ANNUAL 59.6 11.2

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NAVWEASERVCOM

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DAILY AMOUNTS

PERCENTAGE FREQUENCY OF SNOWFALL (FROM DAILY OBSERVATIONS)

MEMPHIS, TENNESSEE

93839 STATION

45-460 49-77

INTS		LEAST		••	0.		0.	0.	0.	.0	0.	•	0.	.0	••	
MONTHLY AMOUNTS	(INCHES)	GBEATECT		13.0	6.0	14.8	RACE	0.	0.	0.	0.	•	RACE	2.4	13.0	
MONT		MEAN		2.8		1.2	STOTRACETRACE	0.	0.	0.	0.	0.	BOSTRACETRACE	.2	1:1	- 4
	NO.	0 0 o		806	135	808	8701	837	840	808	837	840	368	870	868	10101
PERCENT	OF DAYS	MEASUR-	AMTS	3,1	2+2	2+2								•	1,7	1.0
	2.51-5.00 5.01-10.00 10.01-20.00 OVER 20.00 OF DAYS	OVER 50.4	OVER 120													
	10.01-20.00	25.5-50.4	61-120													
	5.01-10.00	15.5.25.4	49.60													
	2.51-5.00	10.5-15.4	37.48												-	•
	1.01-2.50	6.5-10.4	25.36	.1		:							*			4
HES)	.51.1.00	4.5.6.4	13.24													•
AMOUNTS (INCHES)	2650	3.5.4.4	7.12	.2		:									7.	
AMOI	.1125	2.5.3.4	4.6	.2	7.	.2										•
	0190.	1.5.2.4	9	1.0										.2		0
	.0205	0.5-1.4	2	1.7	1.4	9.								7.		-
	6.	0.1.0.4	-	1,2										7.	•	0
	TRACE	TRACE	TRACE	6.9	7.6	3,2							7.	2.6	6,1	4 6
	NONE	NONE	NONE	85.6	2.06	94.6	1.66	100.0	100.0	100.0	100.0	100.0	6.66	6.06	92.2	4 40
	PRECIP.	SNOWFALL	SNOW.		87	MAR	APR	MAY 3	NOT	101	AUG 1	SEP 1	100	YON	DEC	

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PEMPHIS, TENNESSEE STATION NAME

49-77

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF SNOW DEPTH (FROM DAILY OBSERVATIONS)

						AMC	AMOUNTS (INCHES)	CHES)						1730		MOM	MONTHLY AMOUNTS	UNTS
PRECIP.	NON	TRACE	6.	.0205	0190.	.1125	.2650	.51.1.00	1.01.2.50	2.51.5.00	2.51-5.00 5.01-10.00 10.01-20.00 OVER 20.00 OF DAYS	10.01.20.00	OVER 20.00	OF DAYS	NO.		(INCHES)	
SNOWFALL	NON	TRACE	0.1-0.4	0.5-1.4	1.5.2.4	2.5.3.4	3.5.4.4	4.5.6.4	6.5-10.4	10.5.15.4	15.5.25.4	25.5-50.4	OVER 50.4	MEASUR-	0 of	74		
SNOW. DEPTH	NONE	TRACE	-	2	9	4.6	7.12	13.24	25.36	37.48	49.60	61.120	OVER 120	AMTS			ORENIES	
NAL	87.7	3.8	8.4	1,5	1.0	1.1								8 , 4	808			
FEB	94.7	3.0	1:1		:			1.						263	735			
MAR	97.6	1,1	:1	.2			:							1,2	906			
APR	100.0														810			
MAY	100.0														806			
NOT	100.0														810			
101	100.0														837			
AUG	100.0														775			
SEP	100.0														780			
100	100.0														837			
NON	99.5	*.	:1											1 4	840			
DEC	97.4	1,3	9:	• 2			.1	.2						1,3	837			
ANNUAL	98.1			.2				0.						1+1	6496		X	X

SYSS Daily Amenits Jan. 1969

NAVWEASERVCOM

FROM DALLY OBSERVATIONS)

51=77 45-460 490

MEMPHIS, TENNESSEE STATION NAME

93839 STATION

24 HOUR ANDUNTS IN INCHES

* * * * * * * * * * * * * * * * * * *	+		MAK.	APR.	MAY	JGN.	JU.	AUG.	SEP.	OCT.	NOV	DEC.	MONTHS
	4.90	1.63	. 00	2.15	1.12	2.07	1.97	14	1000	2,18	4,92	1.50	
								76.		3,00	• 58		
	1.13	2		86	1.16	19	2	1,21	1.65	2,01		2.66	2.2
	44	2.01	1 . 3	3.21	2.06	3.08	3.48		1.27	.34	1,15	2.06	2.1
		. 60	- 10		1.80			. 60		.34			2.38
			-		1.1	1.82	-		.22	. 36		.92	3.6
		7	00		1.88	0				2,59		92.2	2.7
		7	2	1.90	1.47			1.00					2.3
	1.39		-	6	.28	3	0	-	1.07		1.22	2.78	3.5
			-0		1.1	7	-	1,20		1,65			2.3
		-	-	2.21	3.80	1.19			1 -	• 30	-		3.8
	2.98	*	*		. 52	~		1,14		***			2.9
63	.20	0	-	-	3.16		0	-		70.			3.1
		0	•	2.14	16.	-			•	. 82	1.03	2,36	3.6
	2.10		-	6	1.10		*	1.09	2.70	.35			4.8
		*	N		1.26	N	-			. 43	.92		2.7
67	. 80	9	1	7	1.70	-	0			1,55			2.1
99	06.	0	-		. 93		*	2	.92	.67	1.05		3.1
60	.71	1	-		.63	~	-	-	24.				3.5
70	. 37	~	4	3.17	1.88	3.40	N	1 .		1.45		1.10	9.4
7.1	. 79		223		2.38		-	-					3.4
72	. 84	0	CV	7	*6.	0		-	2.83	1.33			3.0
		2	0		. 85	. 55	0						**
			0	*	3.50	5.36		1.92		1,21			5.3
L		0	CER.	5	1.54			-				1.19	3.6
		2.70	2	1.04	1.23	1.65	1.36	.10	1.73	1,58	1.49		2.7
									1				
S. D.													
TOTAL OBS.													

in

NAVWEASERVCOM

FROM DALLY OBSERVATIONS

45-460 490

MEMPHISS TENNESSEE STATION NAME

93839 STATION

51-77

24 HOUR AMOUNTS IN INCHES

ALL	80.08	3 . 2 . 3 . 2 . 3 . 2 . 3 . 3 . 3 . 3 .
DEC.	9	1 · • • • • • • • • • • • • • • • • • •
NO.	06 41	8 4 4 4 6 4 6 4 6 6 6 6 6 6 6 6 6 6 6 6
		96.44
SEP.	C C C C C C C C C C C C C C C C C C C	4 7 9 9 6 4 0
AUG.	8	24.0
JUL.	36.	1.29
JŠ.	26.	1,45
MAY	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	600
APR.	1.00	965
MAR.	86.93	1,60
Ę	8.	11.11
JAN.	*	1 5 55
YEAR	F	MEAN S. D. TOTAL 08S.

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FROM DALLY OBSERVATIONS

45-461 491

51-77

MERDIIS, TENNESSEE

93839 STATION

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/BASED ON LESS THAN FULL MONTHS/

WEAR JAN.	94	64	080		e e						MEAN	S. D.
FB.				ó								
MAR.	2,36			0								
APR.			0	0								
MAY	11.		0	0								
, NOT			0	0								
JUL.		300		0								
AUG.			0	0	00							
SEP.		29.49	0									
OCT.			0		208							
NOV			0									
DEC.		25,41										
MONTHS	PRECIP	PRECIP	PRECIP	PRECIP	PRECIP							

0

0

SNOWFALL

45-460 49-77

MEMPHIS, TENNESSEE STATION NAME

93839 STATION

24 HOUR AMOUNTS IN INCHES

YEAR	JAN.	FEB.	MAR.	APR.	MAY	, S	Ä.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL
45			0.0	0.5	•	0.	•	0.	0.	0.	0.	3.0	
0 4	200		2				-	0	•	0	0		
200				TRACE			•		:		•		
51						0.			0.	0	TRACE	TRACE	
52	TRACE				•	0.	0.	0.	0.		V	TRACE	TRACE
53	TRACE		TRAC		•	0.	0.				0.	TRACE	
34	2.3		•	0	•	0	•	0.	•	•	•	TRACE	2.3
55	1.0		TRACE	0	0.	0	0.	0.	0.	0.	0.	TRACE	
56	1.8		TRAC	0	•	•	0	0	0.	0.	TRACE	0.	1.8
57	0		TRAC	0	0.	0	0	0	0.	0.		U	6.
20	.2			0	0	0	•	0	0.	0.	TRACE	2.1	2.1
99	TRACE		•	0	0.	0	0.	2.	0.	0.	TRACE	•	1.1
09	4.6		-		•	0	•	0	0.	0.	0.	*	4.6
0.1		TRACE	•	0	•	0.	0	0	0.	0.	TRACE	T.	
29	2.0		TRAC		•	0	•		•	0.	0.	-	2.0
63		_	•	0	0.	0.	0.	0.	0.	0.	0.	13	13,0
99	1.6	_			•	0.	•	•	•	0.	TRACE	AC	1.0
63	.7		7	0.	0.	0.	0.	2.	•	0.	0.	0.	4.9
66	3.6		TRA	0.	.0	0.	•	0.	0.	• 0	.0	1.8	3.6
67	6.	TRACE	TRACE	0.	0.	0.	0.	0	0.	0.	0.	TRACE	6.
68	4.0			0.	•	0	•	0.	0.	•	0.	0.	8.0
69	TRACE		TRA	0.	0.	0.	0.	0.	0.	0.	œ.	6.3	1.0
70	4.5			.0	0.	0	0.	0.	0.	,0	AC		4.5
71	TRACE	2.0	2	TRACE	0.	0.	0.	0.	0.	0.	~	TRACE	2,5
7.2	1.5		TRA	0.	0.	0	•	0	•	0.	U	RAC	1.5
73	4.6	TRAC		0.	0.	0.	0.	0.	0.	0.	•	.2	904
74	1.0	TRAC	2	0	0	•	•	•	•	0.	TRACE	TRACE	1.0
75		TRAC	2.	0.	0.	0	•	0.	0.	0.	TRACE	TRACE	2.0
76	TRACE	TRAC		0	0.	0	0.	0	0.	.0		**	1.9
MEAN													
S. D.													
TOTAL OBS.													

NAVWEASERVCOM

X Maderna

0.0

SNOWFALL FROM DAILY OBSERVATIONS

45-46, 49-77

MENDEIS, TENNESSEE STATION NAME

93839 STATION

24 HOUR AMOUNTS IN INCHES

MONTHS	2 + 9							3.28	3.21	10101
DEC.	TRACE							1001	2.577	898
NOV.	IRACE							•18	. 575	870
OCT.	•							TRACE	.000	299
SEP.	•							00.	0000	840
AUG.	•							00.	000.	637
Jul.	0.							00.	0000	898
JUN.	0.							00.	0000	840
MAY	•							000	0000	837
APR.	•							TRACE	000	870
MAR.	•							. 37	1.612	898
FEB.	TRACE							49.	1.385	735
JAN.	2.9							1.93	2.333	808
YEAR								MEAN	S. D.	TOTAL OBS.

NAVWEASERVCOM

SNOW FALL

43-461 49-77

TEMPTIS TENENSORE STATION NAME

93839 STATION

/BASED ON LESS THAN FULL MONTHS/

JAN.	. TB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL
	2.5			12.0								SNOFALL
											25	SNOFALL
				0	0		0	0	0	0	0	SNOFALL
0	0	0	0	c		000	٥					SNOFALL
							0.91	0.01	30.0			SNOFALL
TRACE												SNOFALL

NAVWEASERVCOM

:ND

188563

SNOW DEPTH

DAILY SNOW DEPTH IN INCHES 49-77

THADILO, THEZENOSME

93839 STATION

FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	MONTHS
			j								
		0		,	0		0	0	0		
	-			0			0	0	0		
	0	0	0	0	0	0	Ó	0	0	0	0
	0	0	0	0	0						
	0	0	0	0	0	0	0	0			2
	0	0	0	0	0	0	0	0			TRACE
	0	0	0	0	0	0	0	0			-
×	AC	0	0	0	0	0	0	0		**	TRACE
4		0	0	0	0	0	0	0			50
	0	0	0	0	0	0		0			
	-	0	0	0	0	0	0	0		TRAC	•
	0	0	0	0	0	3	0	0			7
	0	0	0	0	0	5	0	0			N
	0	0	0	0	0	0	0	0			13
	0	0	0	0	0	0	0	0		TRAC	~
	-	0	0	0	0	0	0	0			
	0	0	0	0	0	0	0	0			•
2	RACE	0	0	0	0	0	0	0		TRACE	TRACE
	100	0	0	0	0	0	0	0			0
	0	0	0	0	0	0	0	0	TRAC		1
	0	0	0	0	0	0	0	0			3
	-	0	0	0	0	9	0	0			
	0	0	0	0	0	0	0	0		-	TRACE
	0	0	0	0	0	0	0	0		TRACE	8
	0	0	0	0	0	0	0	0		TRAC	1
	2	0	0	0	0	0	0	0			2
	0	0	0	0	0	0	0	0	TRACE		TRACE

SNOW DEPTH

MEMPHIS, TENNESSEE

DAILY SNUW DEPTH IN INCHES

MONTHS	2							3.	4.73	967
DEC.	0								2.527	837
NOV.	0							0.	. 189	040
oct.	0							0.	000.	837
SEP.	0							0.	000	780
AUG.	0							0.	000.	773
JUL.	0							0.	0000	837
že.	0							0	000	810
MAY	0							0	0000	908
APR.	0							0	000	910
MAR.	0							5	1.606	806
.	0							1	4.087	735
JAN.	2							1:0	1.745	806
WEAR	11							MEAN	S. D.	TOTAL OBS.

NAVWEASERVCOM

OND

SNOW DEPTH

49=77

MEMPHIS, TENNESSEE STATION NAME

93839 STATION

/BASED ON LESS THAN FULL MONTHS/

YEAR	JAN.	5	MAR.	APR.	MAY	J.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL
4.5			0	0	0	0	0	0	0	0	0	0	SNO DPTH DAYS
94	0	0	0	0	c								SNO DPTH DAYS
64								0				220	SNO DPTH DAYS
20					0	0		0	0	0	0	0	SNO DPTH DAYS
15	0	0	0	0	0		900	ő					SNO DPTH DAYS
68								9 4	001	000			SNO DETH
66									62				SNO DPTH DAYS
MEAN													
S. D.													
TOTAL OBS.													

NAVWEASERVCOM

5724 DALY AMOUNTS MAR 1978

NAVAL WEATHER SERVICE DETACHMENT

ASHEVILLE, NORTH CAROLINA

93839 STATION

MEMPHISS IN.

STATION NAME

JANUARY

1974

Σ

INCHES

DATE

Σ

DAY

1972 23 1973*

1.36

SNOWFALL

PRECIPITATION GREATEST

6

1994 216

1.0

1960

239

9.4 4.0 3.5

26 1950

33 1957

1.30

n

1.13

20 1977

1.02

9

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146

1946-1946 1951-1977

DAILY EXTREME AMOUNTS

FEBRUARY MONTH

	E C	PRECIPITATION GREATEST	N	ខេត	SNOWFALL	
DAY	INCHES	MM	DATE	INCHES	MM	DATE
-	1.30	33	1970	0.2	5	195
2	1.83	94	1956	0.5	13	1970
3	0,40	10	1956	0.2	2	197
4	1.00	25	1955			
2	1.86	47	1955	1.1	28	1959
9	1.03	92	1972	•	-	1976
7	1.24	31	1973	0.5	13	197
8	0.88	22	1946	2.0	16	197
6	1.40	36	1966	-	-	1975
10	1.66	24	1953	2.5	63	1946
=	4.83	123	1963	-	-	1963
12	1.16	62	1971	1.0	52	1461
13	3.55	06	1959	-	-	197
14	26.3	99	1974	2.0	16	1958
15	1.43	36	1956	0.1	25	1969
16	16.1	64	1994	•	-	197
17	2.10	69	1976	•	-	1961
18	0.79	20	1974	1.0	25	1960
19	1.73	**	1954	•	-	1964
20	1.71	43	1955	•	-	1968
21	2.67	99	1441	0.5	13	1968
22	1.20	30	1959	•	-	1971
23	1.64	45	1962	-	-	1966
24	1.09	82	1962	4.9	163	1965
25	1.17	30	1681	6.0	13	1965
26	2.46	29	1962	•	-	1975
27	22.2	96	7961	4	-	961
28	0.40	12	1959	•	-	196
29	0.05	-	1961	0.5	13	1968
30						
31			S. 111			
Monthly	4.83	123	1965	7.9	671	1 24.8

1975*

1974

1968

4.6

9.0

8661 4

9461 42

1.3

1954

55 1954 1946 15 1969 30 1956 25 1959 44 1954 1973

1977

13

12

0

15

16 17

4

1954

2.3

1974

10 =

6

0

œ

2.10 3.04 96.0 0.84 1.60 2.16 0.60

1973 1461

1973

1965 1946

1968

* ALSO ON EARLIER YEARS T – TRACE, AN AMOUNT TOO SMALL TO MEASURE BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

#1661

1960

1960

239

9.6

1946

06.4

Monthly

1953

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#696

1955

1966

2.0

2.0

93 1956

3.66 0.53

28 53 30

27

13 1968

9961

996

996

16

1970

36

10.2

2 21

1,19

18 19

1955

1977

000 1.0 0.5 104 0.5 3.6

1977

1950 1966 1966

99

1.6

7.5

1962

1953

1.44

22 23 24

76 1962

20 1976

0.00 27.2 1,04

56

25

50 1957

26 1957

DIRNAVOCE ANMET - SMOS

1945-1946

STATION NAME

MEMPHIS. TN.

63836 STATION

1951-1977

YEARS

APRIL

MONTH

1962*

SNOW

PRECIPITATION GREATEST

MONTH MARCH

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INCHES

DATE

Z

DAY

1972

1977

2.35

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1.02

87 1964

3.44 1.45

> 2 9

1965 1965

> 000 ... 1.0

1971

19 14

1960* 1960 1960

0.5

32 1976

1.27 0.81

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67 1964

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10

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12

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1958

1975

1.0 1.5

1952

1960

1970

1975 1975

52

1.0

1956

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28 1953

1.000.000

0

14 15 16

13

99 1975

28 1963

200

51

200

1970 1965

1965

25

1.0

39 1945

18

0

19 20 21 22 23

17

1968

203

0.8 9 . 6

8961

1968

8

3.2

1.88

80 1968

1461

1461

69

2.5

9961 09

95.2

24

25 26

28 1967

-1 -	1	DAT						197												195										195			
SNOWFALL		MM						-												-										•			
พื้		INCHES						-												-													
z		DATE	1945	1977	1621	1952	1964	1935	1974	1961	9661	1955	1961	1955	6961	1958	1961	1946	1959	1969	1973	1906	1974	1974	1971	1953	1970	1966	1964	1624	1953	1962	
PRECIPITATION GREATEST	-	MM	55	23	69	52	9.	33	19	12	91	20	12	90	21	48	36	18	17	23	121	2.2	34	62	10	35	18	92	25	38	8.5	64	
PRE		= 1	2.15	-	2.70	86.0	1.83	16.1	0.76	0.48	29.0	0.78	1.05	2.38	0.84	1.90	2.21			. 8	4.77	1.05	1.33		2.15	1.39	3.17		16.0	1.49	3.21	1.93	
	DAY		-	2	8	4	2	9	7	8	6	10	=	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31

DANG

1011

1971*

Monthly

30

53

1945

1975

1973

10.6

27 28

an Established

38 1965

15.1

T – TRACE, AN AMOUNT TOO SMALL TO MEASURE BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD · ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT

ASHEVILLE, NORTH CAROLINA

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

MEMPHIS. TN.

STATION NAME

MAY

1945-1946

1950-1977 YEARS

MONTH

DATE

MM

INCHES

DATE

Z

INCHES

DAY

1953

1960

0.24

2 9

4

1961

13 1975

1.78

1975 1958

45 1973

3.80

1953

2.10 1.18

1.47

œ 6 0 = 12

30 1971

16 1968

SNOWFALL

PRECIPITATION GREATEST

DAY	P.B.	PRECIPITATION GREATEST	N	SO .	SNOWFALL
	INCHES	MM	DATE	INCHES	MM
	0.66	17	1970		
2	1.62	14	1957		
3	0.63	16	1957		
4	0.24	9	1957		
ıs	1.46	37	1955		
9	5.38	137	1974		
7	1.15	59	1974		
8	1.19	30	1961		
6	0.51	13	1959		
10	09.0	15	1955		
=	3.08	78	1953		
12	1.34	34	1461		
13	3.40	86	1970		
14	2.37	09	1955		
15	2.27	38	1970		
16	1.53	39	1963		
17	2.07	53	1945		
18	0.87	22	1976		
19	1001	26	1958		
20	1.54	39	1961		
21	0.20	1	1970		
22	0.33	3	1954		
23	1.68	64	1965		
24	0.68	17	1970		
25	1.65	42	1976		
26	1.82	94	1956		
27	1.17	30	1960		
28	06.0	23	1957		
29	0.82	12			
30	1111	28	1976		
31					
Monthly	5.38	137	1974		

1.38

13

14

1.14

15 16 1953 1960

1.5

18 19 20

17

10 1955

18 1955

69.0

1.88 1.14

> 22 23

21

80 1963

3.16

24 25 26 1976

46 1955

29 1963

16.2 1.80 1.06

27

2961 6

0,35 3.59

30

53

28

69.0

1974

1961

Monthly

31

* ALSO ON EARLIER YEARS T – TRACE, AN AMOUNT TOO SMALL TO MEASURE BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

93839 STATION

1949-1977 YEARS 1945-1940

DAY 1	I SI SI	GREATEST MM L	DATE 1953	INCHES	SNOWFALL
2	0.79	20	1906		
3	09.1	1,	161		
4	64.1	45	1461		
5	12.1	31	1952		
9	0.86	22	1972		
7	1.09	28	1965		
8	0,40	10	1963		
6	0 * 40	01	1960		
10	0.48	12	1974		
=	1.12	28	1968		
12	2.78	17	1966		
13	0.74	19	1957		
14	1.34	34	1957		
15	2.80	1,	1964		
16	1.19	30	1969		
17		72	9961		
18	2.03	52	6961		
19	0.55	14	1954		
20	1.20	30	1960		
21	3.58	16	1960		
22	900€	78	1972		
23		02	1958		
24	90.0	2	6761		
25	95.0	14	6661		
26	0.35	6	1961		
27	26.0	53	6561		
28	66.0	25	1959		
29	1.12	28	1974		
30	1.92	64	1974		
31	0.86	22	1956		
Monthly	2 4 4	6	090		

-

PRECIPITATION GREATEST GREATEST GREATEST GREATEST GREATEST GREATEST GREATEST GREATEST MM GREATEST MM DATE INCHES MM DATE O 0.00 M	PRECIPITATION GREATEST O 40 O 40 O 40 O 40 O 60 O 6			
1, 59 40 19 19 65 1, 6, 6, 6, 74 19 19 65 1, 6, 89 21 19 72 1, 19 19 67 1, 19 19 67 1, 19 19 67 1, 19 19 67 1, 19 19 67 1, 19 19 67 1, 19 19 67 1, 19 19 19 19 19 19 19 19 19 19 19 19 19	INCHES MM O O O O O O O O O O O O O O O O O O	8.5	OWFALL	
1, 65 40 10 1 10 1 10 1 10 1 10 1 10 1 10 1	0.04 0.64 1.55 0.64 1.55 1.55 1.03 2.1 1 1.03 2.04 2.1 1 1.03 2.04 2.1 1 1.03 2.04 2.1 1 1.03 2.04 2.0 1 1.03 2.0 1 1.03 2.03 1.03 2.03 1.03 2.03 1.03 2.03	INCHES	MM	DATE
1, 55 1,	1, 55 40 10 1 1, 55 40 1 1, 55 40 1 1, 55 40 1 1, 55 40 1 1, 55 40 1 1, 55 40 1 1, 55 40 1 1, 55 40 1 1, 55 40 1 1, 56 40			
1, 99	1 1 2 6 3 3 3 3 4 4 6 0 1 1 3 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6			
1, 99 1,	1, 95 1,			
1.09 1.09	1.09 1.09			
0.50 1.03	0.00 0.00			
1.03 1.03	1.03 2.08 2.08 2.08 3.08			
1.03 1.03	1.03 1.03			
1.55 1.10 1.55 1.20 1.23 1.23 1.24 1.24 1.25	1.10 1.53 1.20 1.23 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20			
1.55 1.55	1.55 1.55 1.55 1.26			
1.55 1.01 1.01 1.02 1.03	1,55 1,01 1,01 1,03			
1, 03 8 10 10 10 10 10 10 10 10 10 10 10 10 10	1,01 1,03			
1.23 25 1.23 31 1.23 31 1.23 32 1.23 32 1.26 40 0.23 25 0.23 25 1.26 32 1.09 28 1.09 28 1.00 28 1.0	1.01 1.23 1.23 1.23 2.33 2.34 1.26 2.33 2.03			
1,23 31 1 1,56 40 1 1,56 40 1 1,23 32 1 1,24 32 1 1,26 32 1 1,27 32 1 1,97 30 1 1,97 3	1,23 31 1 1,56 40 1 1,56 40 1 1,26 32 1 1,26 32 1 1,09 28 1 1,09 28 1 1,09 26 1 1,00 2			
1, 23 31 1 1, 56 40 1 1, 26 32 1 1, 26 32 1 1, 26 32 1 1, 37 20 1 1, 97 20 1 1, 97 20 1 1, 97 30 1	1,23 31 1 1,56 40 1 1,26 40 1 1,26 32 1 1,26 32 1 1,09 28 1 1,09 28 1 1,09 26 1 1,09 26 1 1,09 26 1 1,09 26 1 1,09 26 1 1,09 36 1 1,00 3			
1,56 40 1 1,26 32 1 1,26 32 1 1,09 28 1 1,09 20 2 1,09 20 1 1,09 20 1 1,00 2	1,56 40 1 1,26 32 1 1,26 32 1 1,26 32 1 1,09 28 1 1,09 28 1 1,09 28 1 1,09 26 1 1,09 26 1 1,09 26 1 1,09 26 1 1,09 26 1 1,09 26 1 1,09 36 1 1,00 3			
1,26 32 1 1,26 32 1 1,26 32 1 1,09 28 1 1,09 28 1 1,09 28 1 1,09 24 1 1,09 34 1	1,26 32 1 1,26 32 1 1,26 32 1 1,09 28 1 1,09 28 1 1,97 26 1 1,97 50 1 1,97 50 1 1,08 50 1 1,08 50 1 1,09 50 1 1,00 50 1			
1,26 32 1 1,09 24 88 1 1,09 24 1 1,0	1,26 32 1 1,26 32 1 1,09 28 1 1,09 28 1 1,09 28 1 1,09 26 1 1,00 2			
1,26 32 1 1,09 28 1 1,09 28 1 1,09 20 1 1,00 20 1	1,26 32 1 3,48 88 1 1,09 28 1 0,90 24 1 1,09 20 1 1,09 30 1 1,09 20 1 1,00 20 1			
1,09 24 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1.09 24 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
1,09 28 1 1,09 24 1	1,09 28 1 1,09 24 1 1,97 50 1 1,04 52 1 1,04 1 1			
1,09 28 1 0,90 17 1 1,97 50 1	1,09 24 1 1,97 50 1 1,97 50 1 1,04 24 1 1,04 26 1 1,04 26 1 1,04 26 1 1,04 26 1 1,04 26 1			
1,97 50 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 0.90 24 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
1,97 50 1 2,03 52 1 1,04 25 1 1,04 26 1 1,04 26 1 1,04 26 1 1,04 26 1 1,04 26 1 1,04 26 1	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			
1,97 50 1 1,04 26 1 1,04 26 1 1,36 39 1 1,36 39 1 1,36 39 1	1,97 52 1 1,04 25 1 1,04 26 1 1,05 35 1 1,05 3			
1,36 52 1 1,37 54 1 1,36 35 1 1,36 35 1 1,36 35 1	1,05 50 1 1,05 26 1 1,05 26 1 1,36 35 1 0,50 13 1			
1,35 2,1 1,36 35,1 1,36 35,0 1,61 05,0	1 95 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
1,36 35 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 61 05°0 1 61 05°0 1 66 96°1			
1,36 35 1 0,50 13 1 0,33 8 1	0,50 13 1			
0.50	0,33 8 19			
0,33	0,33 8 19			

0

0

* ALSO ON EARLIER YEARS T – TRACE, AN AMOUNT TOO SMALL TO MEASURE BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

93839 STATION

MEMPHISS TN. STATION NAME

705

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

1949-1977 YEARS

1945-1946

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

93839 STATION

O

MEMPHIS, TN.

STATION NAME

SEPTEMBER

MONTH

OCTOBER MONTH

	DATE						1952																										1952
SNOWFALL	MM						-																										-
ឆ្	INCHES						4																										-
Z	DATE	1945	1961	6961	1966	1949	1968	1960	0961	1970	1958	1970	1949	1970	0961	9961	1957	1968	1972	1970	1949	1949	1957	1957	1976	1976	1960	1661	1974	1976	1972	1661	6561
PRECIPITATION GREATEST	MM	55	2	1	10	78	14	25	24	16	2	13	20	37	20	6	99	1.1	13	54	22	27	*1	34	27	04	1	24	16	12	34	51	78
PRE	INCHES	2.18	0.07	0.28	0.38	3.06	0.57	66.0			0.19	05.0	0.79	1.45	0.78	•	2.59		0.52	56.0	0.86	1.08	0.56	2.12	1.05	1.58	0.26	1.65	12.1	0.48	1.35	10.2	3.06
	UAY	-	2	8	4	2	9	7	80	6	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	56	27	28	23	30	31	Monthly

1.34

15 16 11 2

1958

1.88

19

20

21

46 1958

28 1965

1,83

22

23 24 25 26 27 28 53

14 1973 1962

1974 1972

19.0 2,83

1.55

37 1945

17 1977

3.03

Monthly

31

30

* ALSO ON EARLIER YEARS

T – TRACE, AN AMOUNT TOO SMALL TO MEASURE BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

-

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

93839 STATION

LZE95 //981

ISLL

MEMPHISS TW.

NOVEMBER MONTH

STATION NAME

1949-1977 1945-1946

YEARS

DECEMBER MONTH

1974* 1976* 1974* 1972* 1972* 1960* 1972# 19754 DATE 1945 1958 1971 1977 1966 1975 1976 1960 1945 1977 1958 1973 1975 1945 1962 1961 1945 1963 1963 1969 SNOWFALL 330 330 94 40 102 9/ Σ 13.0 13.0 0.0 2.0 0.1 8.1 0.4 1.2 0 0.3 INCHES 1977 1952 1953 1957 1963 26 1970 1961 1970 1973 9961 79 1964 DATE 1961 6561 14 1949 38 1945 17 1945 27 1968 1957 1972 18 1967 33 1963 37 1973 30 1975 6961 69 20 1969 87 1971 197 1661 89 1957 1661 81 PRECIPITATION GREATEST 99 62 98 22 38 Σ 2.66 2.26 0.83 2.16 2.36 1.76 2.45 0.45 3.02 1.50 0.72 1.30 1.10 .60 1.06 3.41 2.61 2.78 1.03 3.38 0.00 26.0 1.05 1.45 1.19 0.88 2.53 2.71 0.67 3.41 Monthly DAY 30 10 11 12 13 14 16 17 20 24 28 15 18 19 2 22 23 25 26 27 29 31 9 œ

>	IN IN	1	2	3	4	2	9	7	8	6	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
PRE	INCHES	0.81	26 4	1.04	1.22	29.0	1.63	2.56	0.86		2.70	0000	0.72	1.63	1.44	1.30	1.38	1.59	57.7	1.03	1.63	1.50	5.75	2/0				•	64.0	1.037	1.57	
PRECIPITATION GREATEST	MM	21	125	74	31	10	14	65	22	59	69	15	18	4.1	37	33	35	04	57	97	24	38	10	18	62	12	19	28	12	35	40	
NO	DATE	1972	1945	1961	1959	1963	1972	1957	1965	1960	1945	1961	1961	1957	1958	1956	1977	1957	1952	1964	1973	1977	1961	1955	0	1972	1973	1973	1968	1441	1975	14 18 11 18 14
SNG	INCHES		1				•					-		,	1.9	-		-	-					5.5	1		1	-	0.3	-	-	
SNOWFALL	MM		-				-					-			6.0	-		-	-	1			23	10	-	-	-	-	20	-	-	
	DATE		1661				1959					1976			1976	1970		1951	*2161	6961			1981	1461	2461	1950	19778	1958	1976	7661	1974	

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And Brown

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• ALSO ON EARLIER YEARS T – TRACE, AN AMOUNT TOO SMALL TO MEASURE BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD



NWSD, Federal Building Asheville, N. C.

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 period. Every month of a year must have valid observations present before the ALL MONTHS value is selected column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. selected and printed. These values are then used to compute means and standard deviations for the entire for that year. Means and standard deviations are computed when four or more values are present for any

According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

Bivariate percentage frequency tabulations: Derived from 3-hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction. 5

these data where light and variable winds are reported with no directions but with speeds given, the speeds A separate category is provided on the form for variable winds, which are reported in some data sources. will be summarized in the appropriate groups opposite the column headed VARBL.

- Three tables are prepared for all surface winds included, and for all years combined as follows:
- (1) Annual all hours combined
- (2) By month all hours combined
- (3) By month by standard 3-hour groups
- A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet. ٥

SURFACE WINDS

45-46, 49-77

TEMPTIS TENNESSER

93839 STATION

DAILY PEAK GUSTS IN KNUTS

S				55		55	50	56		48	20	52	45	41	43		30	43	40	43			26	53	40	28	28					
MONTHS				z		w	SSE	SE		7	SSE	Z	SSE	-	181		s	I	z	S			Z	23	88	27	36					
·	*	1	34	04	0	64	*	30	35	04	28	28	30	36	27	3	35	35	50	8			32	53	35	45	36		33		1	•
DEC	MNNOS			-	ESE	35 W	Z	3	ススフ	*	3	-	-4		Z	_		ш					SE	*	33	=	0		20		-	
NOV.	20		4	52	53	55	0	44	30	42	33	30	36	4	28	13	31	40	32	25			N	9	-	-	9	0	N		T	
ž	2		n	z	SSE		Z	K	Z	K	-	Z	E	2	3 2 2	2	10	Z	2	8			-	-	_	-	-	9	-			
_	4	4	20	3	36	25	2	*	2	28	2	2	36	23	24	2	28	23	3	2	2	33	20	2	27	3.5	2	32				
007			NE	3	32		Z	3	SE		_		3	_	_	3	Z	3	X		SE		SE	7		2	7	-				
<u>.</u>	415	46			34	8	1	52.0		N		-	-		-	9	33		•	100	0	640	•	9	-	3	•	-			1	
SEP	3	2	1	*	2	ZZZ	2	KE	H	3	2	3:	N.	2	300	Z	W Z	SSE	302	五の正	•	ZZ	SSE	53	2	2	2	2				
	3	2	12	7	35	2	33	2	0	3	25	30	16	35	31			3	0	0	7	~	N	-	0	0		2			T	
AUG.	3	32	*		4	2		3	322		3												3					2				
	4	328			424	38	NA	44	38	36	316	52E	300	37	33	30	308	398	275	29N	22	36	36	262	292	313	359	481			t	
זמ	3	32		*	*	Z	Z	XX	3	- W	,	W		EST	Z	3	•	w	m	-	3	R Z	X	25	62	02	9	35				
JUN.	47				34	0	0	2	· CV	20	0	20.	N		4	33	0	2	-	9	~	2	2	0	-	0	33	8			T	
3	3			ZZ	SNE ONE	ZZ	3	SSE	z	E	3	SE	Z	3	S	z	Z	3	Z	SE	INE	10	5	0	90	N	9	N				
MAY	58		49		100	38	48	30	30	48	•	m	*	4	26	30	34	33	40	30	30	34	26	35	27	58	36	40				
*	3				5	S	IN	SSE	×	Z	Z	55	ISI	25	S	3	S	200	z	323	Z	IN SE	Z	92	9	27	90	31				
APR.	*	9	*	38		*		96						1				1			-							1				
`	3 4	3	Z		_	10	3	X	23	Z	SSE	S	3	12	50	55	9	3	3	SE	ESE	ш	NSF	60	10	54	21					
MAR.	52			4		35	-	40	•	-		-		-	9	3	9	20	•	0	3	O	4	-0	-	-	100	4	,			
¥	303			SSE		SSE	-	S	322	9	SSE	S	SSE	3 2 3	K	5	S	3	3	S	W Z	3	3	3	0	-	1	25	-			
FEB.				54		34		64		34	35	36	+	28	43	32	29	33	31	38	27	31	31	35	33	33	9					
	3	0		INSI		9	SS	3			-	SS	SSE	32	2	z	3	z	SSE	9	7	3	ш		35	-		_				
JAN.	*				37	•	~	37	27	35	34	•	-	33	32	20	w		~	E +	26	•	4		37	33	4	*	-			
1	20	2		SSE	3	IST.	Z	Z	ZZ	3	MS	SSF	SSE	3	s	ZZ	SSE	IN I	E SE	S	z	SE	SSY	SSE	21	21	22	92	21			
\ 	64	0	0	-4	2	643		2	0		19	6	0	-	2	6	*	2	9	1		6	0	1	~	6	4	80	9	Z	6	
YEAR	* 4	*	~	~	-		•	~	~	3	~	~	•	0	•	0	0	0	•	•	•	0	-	1	-	-	-	-	-	MEAN	0	

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SURFACE WINDS

45-46, 49-77

MEMPHISS TRUNESSAR

93839 STATION

DAILY PEAK GUSTS IN KNUTS

THS	23 58								50.3	6.163	6266
DEC	•								36.3	166.9	808
NOV	3420								37.7	8.521	808
OCT.	228 6								30.4	0.210	768
SEP.	33								31.0	0.012	633
AUG.	n -1:								34.5	5.036	999
ĭ	2 2518								35.5	8.016	865
JGN.	2 4155								38.9		808
MAY	6 5235								38.9	8.67510	865
4	9 3536								40.3	:	
3	3 5829								38.6	7.0291	837
E E	3 4523					•			37.3	7.966	673
NY	35 3123								36.9	0.246	960
YEAR	-								MEAN	S. D.	TOTAL OBS.

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SURFACE WINDS

TEADLIS, TENNESSEE STATION NAME

93839 STATION

45-460 49-77

/BASED ON LESS THAN 90% OBSERVATIONS FOR MONTH!

46	SW 33 0 4 34	YEAR	JAN.	FEB.	MAR.	APR.	MAY	J.	JUI.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL
SSE 30 SSE 30 SSE 30 SSE 37 SE	SW 33	94					0								MINDS
SH 33	SW 33 0 23 4 40 25 40 25 26 24 30	64											NNW 28		WINDS
SH 39 0 4 34 21 0 21 WNW 40 WNW 40 WNW 40 WNW 18 WNE 12 WNE 23 WN 23SW 40 WNE 12 WNE 12 WNE 23 WN 23SW 40 WNE 12 WNE 12 WNE 23 WN 23SW 40 WNE 12 WNE 12 WNE 23 WN 23SW 40 WNE 12 WNE 12 WNE 12 WNE 23	SW 33 W 94 21	20						1							WINDS
#NW 46 #NE 14 # 235# 49 23 24 39 # 235# 49 # 235# 30 # 235# 49 # 235# 49 # 235# 49 # 235# 30 # 235#	MANW 40 MANW 40 MANW 40 MANW 2384 49 MAN	25		~		~									WINDS
17 4323 5324 37 0 0 0 0 24 26 30 15 15 15 25 26 25 27 0 0 0 0 4 26 26 30 15 25 26 25 26 25 26 25 26 25 26 26 26 26 26 26 26 26 26 26 26 26 26	34 34 29 39 84 27 34 27 35 36 36 36 36 36 36 36 36 36 36 36 36 36	36		7 =											SONIM
34 34 29 29 39 8 49 21 21 4923 5324 37 0 0 0 0 4 26 30 15 31 29 15 31 29 30	17 4323 5324 37 0 0 0 0 24 2424 30 15 15 15 15 15 15 15 15 15 15 15 15 15	63								~					NINDS
34 34 29 39 34 34 29 39 37 4323 5324 37 0 0 0 0 22 2424 30 37 4323 5324 37 0 0 0 0 22 2424 30 35 28 35 28 30	34 34 29 39 21 4323 5324 37 0 0 0 0 22 2424 30 23 25 9 0 0 0 0 4 26 35 28 35 28	89												S# 23	MINDS
34 34 29 39 21 4323 5324 37 0 0 0 0 22 2424 30 17 4323 5324 37 0 0 0 0 4 26 18 15 15 15 15 15 15 15 15 15 15 15 15 15	34 34 29 39 21 4323 5324 37 0 0 0 0 22 2424 30 35 29 39 35 4 37 0 0 0 0 4 26	69												#SW 23	MINDS
17 4323 5324 37 0 0 0 0 24 4 26 30 23 25 9 0 0 0 0 4 26 30	17 4323 5324 37 0 0 0 0 2 2 2424 30 23 25 9 0 0 0 0 4 26	15		23											MINDS
MEAN S. D.	MEAN 5. D. TAL OBS.	76		40	25 23		0	0	0	0					SAND
MEAN S. D.	MEAN S. D. TAL OBS.														
MEAN S. D.	MEAN 5. D. 7AL OBS.														
MEAN S. D.	MEAN 5. D. TAL OBS.														
MEAN 5. D.	S. D. TAL OBS.														
Š. D.	S. D. TAI OBS.	MEAN													
	TAL 08S.	S. D.													

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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND

SURFACE WINDS

(FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

NOURS (L.S.T.) JAN YEARS 73-77 ALL WEATHER CONDITION MEMPHIS, TENNESSEE

93839 STATION

HNE 3.2 1.3 1.9 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6	SPEED (KNTS) DIR.	· :-	:	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	% AI	*	MEAN WIND SPEED
3.2 1.3 1.3 5.6 1.9 5.6 1.3 1.9 6.5 1.3 1.9 6.5 1.3 1.9 6.5 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3	z	9.	1.3	2.6	9.								5.2	7.8
1.9 1.9 1.9 5.2 1.3 1.9 1.9 .6 2.6 1.3 1.9 .6 2.6 2.6 .6 3.2 1.3 3.2 1.9 .6 2.6 .6 3.9 .6 2.6 .6 3.9 .6 2.6 .6 3.9 .6 2.6 .6 3.9 2.6 2.6 .6 3.9 2.6 2.6 .7 19.4 26.5 12.3 1.3	N N	3.2	1.3	1.3									5.8	4.3
1.3 1.3 1.3	w Z	1.9	1.3	1.9									5.2	5.5
1,3 1,9 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6	ENE	1.3	1.3	1.3									3.9	4.8
1,3 1.9 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6		9.	3.0	1.9									6.5	5.4
2.6 1.3 1.9 .6 .6 .6 .7.7 7.1 1.3 1.3 1.3 .6 .6 .6 .6 .6 3.9 .6 .6 .6 .6 3.9 .6 .6 .6 .6 3.9 .6 .6 .6 3.9 .6 .6 .6 3.9 .6 .6 .6 3.9 .6 .6 .6 3.9 .6 .6 .6 3.9 2.6 .6 3.9 2.6 .6 3.0 2.6 8.4 1.3 1.3 1.3 1.00.0	ESE	1.3		1.3	9.								3.2	9.9
1.3 3.2 1.9 .6 .6 .7.1 1.3 1.3 1.3 .6 .6 .5 .6 .7.1 1.3 .6 .6 3.9 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6	35	2.6	1.3	1.9									5.6	5.0
16.3 16.3 16.3 6.6 76.1 16.3 16.3 16.3 6.6 56.2 16.4 6.5 16.3 16.3 16.3 16.3 16.3 16.3 16.3 16.3	SSE	1.3	3.2	1.9	9.	9.							7.7	7.3
1.3 1.3 1.3 .6 .6 .5.2 1.3 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6	•	9.	2.6		3.2								7.1	8.5
16.3 16.3 16.4 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5	SSW	1.3	1.3		1.3								2.2	4.4
1.3 .6 .6 .6 .6 .6 .6 .6 .6 .7 .6 .6 .6 .7 .1 .3 .6 .6 .6 .7 .1 .3 .6 .6 .6 .7 .1 .3 .6 .7 .1 .3 .7 .1 .3 .7 .1 .3 .1 .3 .1 .3 .1 .3 .1 .3 .1 .3 .1 .3	SW			1.3	1.3	9.							3.2	12.2
.6 .6 .6 3.9 .6 .6 1.3 .6 3.9 2.6 .6 1.3 .0 3.9 2.6 .6 1.3 .0 3.9 2.6 .6 1.4 26.5 12.3 1.3 .100.0	WSW	1.3			9.								6.1	0.9
16.7 19.4 26.5 12.3 1.3 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6	*	9.	9.	3.9									5.2	6.9
1.3 .6 3.9 2.6 8.4 1.3 .6 3.9 2.6 8.4 1.4 26.5 12.3 1.3 100.0	WNW				9.								9.	12.0
16.7 19.4 26.5 12.3 1.3 8.4 8.4 100.0	WW	9.	9.	1.3	9.								3.2	8.2
18,7 19.4 26.5 12.3 1.3	NNW	1.3		3.9	2.6								8.4	8.5
18,7 19.4 26.5 12.3 1.3	VARBL													
19.4 26.5 12.3 1.3	CALM	\bigvee	21.9											
		18.7	19.4	26.5		1.3							100.0	5.4

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TOTAL NUMBER OF OBSERVATIONS

and the same

DIRECTION AND SPEED

PERCENTAGE FREQUENCY OF WIND (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.) YEARS 73-77 ALL WEATHER CONDITION MEMPHIS, TENNESSEE NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93839 station

NAN

SPEED (KNTS) DIR.	1.3	9:+	7 . 10	11 - 16	17 - 21	22 - 27	28 · 33	34 · 40	41.4	48 - 55	% %	*	MEAN WIND SPEED
z	9.	2.0	3.9	1.9								0.6	7.9
NNE	9.	9.	3.2									4.5	1.7
NE NE	1.3	3.2	9.	9.								5.8	4.8
ENE	1.3											1.9	3.3
E	1.3	3		1.3								5.8	8.9
ESE	9.											9.	2.0
SE	1,3	1.3										2.6	3.0
SSE	2.6	1.9	4.5	9.								4.4	6.9
8		9.	2.6	1.3								4.5	1.6
SSW		9.	6.1		9.							3.2	701
SW	1,3	9.	1.9	1.9	9.							6.5	9.6
WSW	1,3		9.		9.							2.6	7.3
W	9.	1.3	6.1	9.								6.5	1.6
WNW	1.9	9.	6.1									5.4	2.0
WW	1.3	1.3										5.6	3.0
NNW	1.9	1.3	5.6	6 €								4.6	6.8
VARBL													
CALM	\bigvee	21.9											
	18:1	0.02	25.8	12.3	6.1							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77

MEMPHIS, TENNESSEE

93839 STATION

CONDITION

ALL WEATHER

06 HOURS (L.S.T.)

JAN MONTH

0

0

0

0

0

0

155

TOTAL NUMBER OF OBSERVATIONS

6.5

MEAN WIND SPEED

34 - 40

28 . 33

22 - 27

17 - 21

11 - 16

7 - 10

4.6

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SPEED (KNTS) DIR.

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0

1.3

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2.0

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1.3

1.3 .

3.2

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4.5

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SURFACE WINDS

DIRECTION AND SPEED

PERCENTAGE FREQUENCY OF WIND (FROM HOURLY OBSERVATIONS)

MEMPHIS, TENNESSEE

73-77

YEARS

MEATHER

ALL

0.9 HOURS (L.S.T.)

NA N

CONDITION

12.9 5.8 5.2 2.6 7.7 1.9 8.4 7.1 5.8 * 8 . 55 4 41 . 47

8.9

8.5

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1.9

1.3 3.9 5.2

1.3

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5.6 1.9 9.

1.9

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SSW WSW WSW

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5.6 1.9

2.0

3.5 1.3

3.5 2.6

1.3

NAW CALM

WWW

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5.7

7.8

2.6

5.8

4.5

TOTAL NUMBER OF OBSERVATIONS

155

7.5

100.0

9

5.6

19.4

36.1

24.5

12.3

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SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

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93839

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PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER

MEMPHISS TENNESSEE STATION HANE

93839

YEARS

12 HOURS (L.S.T.)

LAN

CONDITION

MEAN WIND SPEED	11.2	9.3	7.0	5.5	5.1	10,3	4.9	9.6	10.2	12.3	12.7	8.1	7.7	9.9	8.2	8.6			8.2
*	7.1	4.5	3.2	1.3	7.1	1.9	4.5	5.8	9.7	2.6	7.7	0.6	7.1	4.5	4.6	7.7		6.5	100.0
≥ 56																		\bigvee	
48 - 55																		\bigvee	
4 - 14																		\bigvee	
34 - 40																		M	
28 - 33																		\bigvee	
22 - 27	9.										9.							\bigvee	1.3
17 - 21	9.								1.3	9.	9.	1.3	9.		9.	9.		\bigvee	6.5
11 - 16	1.9	1.3	9.		9.	1.3		1.3	3.2	1.3	2.6	9.		1.3	1.9	9.		\bigvee	18.7
7 . 10	2.0	2.6	9.		0.		1.9	3.9	2.0		3.9	3.9	3.2	1.3	3.2	3.9		\bigvee	34.2
9.7	1.3	0.	1.3	1.3	3.6		2.6		2.0			1.3	1.9	0.	2.0	1.9		\bigvee	21.9
1.3			9.		5.6	9.				9.		1.9	1.3	1,3	1.3	9.		\bigvee	11,0
SPEED (KNTS) DIR.	z	N.N.	¥	ENE	•	ESE	35	SSE	9	SSW	AS.	WSW	*	WNW	AN	MNN	VARBL	CALM	

Q

0

0

0

155

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

15 HOURS (L.S.T.) JAN 73-77 WEATHER CONDITION ALL MEMPHIS, TENNESSEE NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

MEAN WIND SPEED	6.6	8.5	6.9	2.0	4.4	9.2	10.8	7.1	10.1	13.9	8.4	10.9	4.9	6.3	8.6	7.2			8.3
*	12.9	5.6	5.2	9.	3.€	6.€	2.6	2.8	11.0	2.8	0.6	2.5	6.4	2.8	0.6	11.0		3.9	10000
N 28																		\bigvee	
48 - 55																		\bigvee	
41 - 47																		\bigvee	
34 - 40																		\bigvee	
28 - 33																		\bigvee	
12 - 22										1.3								\bigvee	1.3
12 - 21	1.3						9.			9.	0.	1.9			9.			\bigvee	5.8
11 - 16	2.6	1.3	1.3			1.9	1.3	1.9	5.8	1.3	1.3			9.	1.3	1.9		\bigvee	22.6
7 - 10	5.8	0.	1.9		9.	9.		9.	2.6	1.3	3.9	1.9	1.3	2.6	4.3	3.9		\bigvee	32.3
94	1.9	9.	1.3		1.3	9.		1.3	7.0	9.	3.2	9.	1.9		1.3	2.0		\bigvee	19.4
1.3	1.3		\$.	9.	1.3	9.	9.	1.3	9.			9.	1.3	1.9	1.3	2.6		\bigvee	14.8
SPEED (KNTS) DIR.	z	Z Z	¥	ENE		ESE	35	SSE	•	SSW	AS.	WSW	*	WNW	×	NNN	VARBL	CALM	

0

0

0

0

DIRNAVOCEANMET SMOS

155

TOTAL NUMBER OF OBSERVATIONS

0

0

93839 STATION

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) 73-77 NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

CONDITION

ALL WEATHER

1.8 HOURS (L.S.T.)

NONTH

	m		6	5	-	m	-	5		~	co	0	0	0	.0	5			
MEAN WIND SPEED	4.8	5.1	5.0	3.6	3.3	5.6	11.3	5.6	8.4	9.	5.6	8.9	7.0	4.0	9.6	8.6			
*	12.3	7.1	3.9	3.6	5.8	3.2	5.6	5.5	4.4	5.8	3.2	5.8	1.3	2.6	5.8	0.6		13.5	0 000
% Al																		X	
48 - 55																		X	
41 . 47																		\bigvee	
34 - 40																		\bigvee	
28 - 33												9.						\bigvee	7
22 - 27																		X	
17 - 21										9.					9.	1.3		X	7 6
91 . 11	9.	9.					1.9		3.5	1.3		1.3	9.			1.3		X	
7 . 10	1.9	1.3	1.3			1.3		1.3	3.2	5.6		9.		9.	7.	2.6		X	0 06
;	5.5	2.6	9.	1.9	5.	1.3	0.	3.8	1.3		1.3	1.3			1.3	3.		X	36 0
::	4.5	2.6	1.9	1.3	3.9	9.		0.	1.9		9.	1.9	0.	1.9	1.9	1.9		X	3 4 6
SPEED (KNTS) DIR.	z	W.	¥	ENE	-	ESE	**	SSE	•	SSW	×s	WSW	*	WNW	¥	NN.	VARBL	CALM	

0

0

0

0

0

DIRNAVOCEANMET SMOS

155

TOTAL NUMBER OF OBSERVATIONS

MEMPAIS, TENNESSEE

93839 STATION

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

(FROM HOURLY OBSERVATIONS)

73-77

MEMPHIS, TENNESSEE

93839

YEARS

21 HOURS (L.S.T.)

MONTH

WEATHER

AL.

17 - 21

11 . 16

7 - 10

4.6

1.3

SPEED (KNTS) DIR.

ZZ

a a

200

1 . 3

3.0

.

2.0 1.9

1.9

2.6

CONDITION

MEAN WIND SPEED	6.3	8.4	5.6	2.5	5.4	6.3	7.1	0.9	8.5	8.7	6.7	9.6	10.5	7.7	9.3	8.3			5.5
×	7.1	7.1	5.5	3.9	5.8	4.5	4.5	7.1	2.5	5.00	1.9	3.2	2.6	1.9	1.9	7.7	4 4 5	0.02	100.0
198																		X	
48 - 55																		X	
41 . 47																		X	
34 - 40																		X	
28 - 33																		X	
22 - 27												4.						X	9.

9

1.3

0

2.6

• 0

1.9

9 9

SSW

w

0

1.9

.

0

1.3 0 .0 1.9

.

9

1.3

•

9

WNW NN X

*

WSW

SK

1.3

5.0

0

VARBL

CALM

1.3

1.3

•

6. .

25 22 22 25 22 23

0

155

TOTAL NUMBER OF OBSERVATIONS

1.3

14.8

10.8

27.7

18,7

PERCENTAGE FREQUENCY OF WIND (FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

73-77 ALL WEATHER CONDITION MEMPHIS, TENNESSEE STATION MANE

ALL HOURS (L.S.T.)

NON

	•	7 - 10	31 . 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 . 55	% AI	×	MEAN WIND SPEED
+	2.2	3.4	2.1	6.3	-						9.6	8.2
2.	1.7	1.5	9.								5.0	1.9
0	1.7	1.4	*.								5.5	5.9
1.5	1.0	.5									3.0	4.1
0	2.0	107	7.	7.							0.0	5.4
~	9.	9.	9.	•							3.1	6.3
1.0	1.6	.7	•	-							0.4	6.3
7	2.1	2.1	1.0	.2							9.9	7.2
*	2.2	2.3	3.1	**							8.5	9.3
3	7.0	1.3	1.0		.2						4.3	6.6
0	1.0	2.2	1.5	• 3	-						5.6	9.3
0.	1.0	1.5	•	.5	-						6.3	8.4
1.2	1.5	1.7		•							4.8	6.3
1.0	.2	1.1	*.								2.8	6.1
0.1	1.5	1.9	1.0	2.							5.8	7.5
	1.7	3.0	2.0	7.							8.5	8 . 1
	\bigvee	\bigvee	\bigvee	\bigvee	X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	13.2	
17.7	23.5	26.3	15.8	2.8	5.	1.					100.0	6.5
1	4		ı	l	1	-						-

TOTAL NUMBER OF OBSERVATIONS

1240

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

0

0

0

0

0

93839 STATION

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77 NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

CONDITION

ALL WEATHER

NOURS (L.S.T.)

NO THE

YEARS

• • •	7 . 10	91 . 11	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	8	*	WEAN WIND SPEED
4.1	3.5	2.1	4.							9.2	8.6
	3.5									3.5	7.8
. 7										1.4	8.0
										4.3	0.4
4.3										5.7	4.6
1.4	. 7									5.0	4.6
2.1										8.5	4.3
2.1										3.5	5.6
1.4	3.5	2.1	1.4							6.6	9.2
2.		3.5								5.7	10.9
	1.4	1.4								2.8	10.5
. 1	.7		. 3							3.5	12.2
		2.1								2.1	11,3
.7	.7	.7								2.1	6.6
1.4	.7	1.4								4.3	8.0
. 7	1.4	2.8								5.7	10.3
V	X	X	X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	22.7	
4.6	16.4	16.3	4.3	.7			9			100.0	0.9
	4- 1- 2- 2- 2- 2- 2- 2- 2- 2- 2- 2- 2- 2- 2-		2.6 2.7 7. 7. 7. 7. 7. 7. 7. 1.44 1.44 1. 1.44	3.5 2.1	30.5 20.1 0.7 0.7 0.7 0.7 0.7 10.4 10.4 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.8 0.8	30.5 20.1 0.7 0.7 0.7 0.7 0.7 10.4 10.4 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.8 0.8	30.5 20.1 0.7 0.7 0.7 0.7 0.7 1.4 1.4 0.7 0.7 0.7 0.	30.5 20.1 0.7 0.7 0.7 0.7 0.7 1.4 1.4 0.7 0.7 0.7 0.	30.5 20.1 0.7 0.7 0.7 0.7 0.7 1.4 1.4 0.7 0.7 0.7 0.	30.5 20.1 0.7 0.7 0.7 0.7 0.7 10.4 10.4 0.7 0.7 0.7 0.7	3.5 2.1 .7 3.7 3.7 3.5 2.1 1.4 1.4 1.4 3.5 3.5 3.7 1.4 2.8 1.5 2.8 3.6 3.7 1.6 2.8 3.7 3.8 3.9 3.0 3.0 3.0 3.0 3.0 3.0 3.0

DIRNAVOCEANMET SMOS

93839 STATION

MEMPILS, TENNESSEE

0

0

0

141

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER CONDITION MEMPHIS, TENNESSEE

03 HOURS (L.S.T.)

FEB

YEARS

MEAN WIND SPEED	8.5	8.0	5.8	3,3	4.4	3.8	5.7	4.7	10.2	7.0	4.6	11.0	6.2	8.0	8.3	4.6			5.9
*	12.8	2.8	6.3	4.3	7.8	4.3	2.1	4.9	9.2	3.5	5.7	2.0	3.5	1.4	4.3	3.5		19.1	100.0
% A1																		X	
48 · 55																		X	
41 . 0																		\bigvee	
34 . 46																		\bigvee	
28 . 33																		\bigvee	
22 - 27																		\bigvee	.7
17 . 21	4.											104						X	201
11 - 16	4.3	.,							2.8		2.8	2.1			.7	1.4		X	17.7
7 - 10	2.8	1.4	1.			1.		1.	3.5	1.	.7			1.04	2.1	.7		X	17.0
4.6	1.4		1.4	1.4	3.5	1.4		3.5	2.1				1.4		. 7	1.4		X	20.6
6	3.5	. 7	1.4	2.8	3.5	2.1	.,	2.1		1.4	1.4	1.4						X	22.7
SPEED (KNTS) DIR.	z	NNE	NE NE	ENE	3	ESE	SE	SSE	s	SSW	NS.	WSW	*	WWW	XX	NNN	VARBL	CALM	

0

0

DIRNAVOCEANMET SMOS

0

141

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93839

0

06 HOURS (L.S.T.)

F E B

YEARS

ALL WEATHER

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS) 73-77 MEMPHIS, TENNESSEE STATION MANE NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

MEAN WIND SPEED	10.6	7.7	4.6	5.7	3.6	4.6	5.4	7.1	8.9	11.8	10.0	10.0	7.0	2.0	9.4	9.5			6.3
*	8.5	4.3	5.7	2.1	7.8	9.0	2.2	8.7	7.1	E . 4	2.2	2.2	2.1	4.	7.8	2.8		17.0	100.0
% 24																		\bigvee	
48 - 55																		\bigvee	
27 - 17																		M	
34 - 40																		M	
28 - 33																		\bigvee	
22 - 27											.7							\bigvee	.7
17 - 21	1.4							4.	4.	.,								\bigvee	3.5
11 - 16	2.1	.7					.7	.,	1.4	1.4	2.1	3.5	1.		1.4	1.4		\bigvee	16.3
7 . 10	2.6	1.4	1.4		.7	. 7	7.64	1.4	2.1	1.4	1.				5.0	1.		\bigvee	20.05
9.4	201	2.1	2.1	2.1	2.6	2.1		2.8	2.1	.1	1.4	.7				.,		\bigvee	22.7
1.3			2,1		4.3	2.1	3.5	2.1	.7			. 7	1.4					\bigvee	19.1
SPEED (KNTS) DIR.	z	NNE	¥	E E		ESE	35	SSE	•	SSW	AS.	WSW	*	WWW	N.	NNA	VARBL	CALM	

10

0

SMOS DIRNAVOCEANMET

141

TOTAL NUMBER OF OBSERVATIONS

0

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77 WEATHER MEMPHIS, TENNESSEE STATION MANE

NOURS (L.S.T.)

FEB HONTH

WIND SPEED	8.5	6.9	7.4	10.0	5.0	3.6	6.1	8.2	10.0	9.8	6.3	10.3	7.9	9.5	10.6	6.3			8.0
×	10.6	4.3	3.5	1.4	3.5	0.5	4.9	6.6	12,1	7.8	8 - 2	5.7	5.7	6.4	6.8	2.8		5.7	10000
% AI																		X	
48 - 55																		\bigvee	
41 . 47																		\bigvee	
34 - 40																		\bigvee	
28 - 33																		X	
22 - 27																		X	
17 . 21							. 7	1.4	1.4									X	5.7
11 - 16	3.5	2.1		.7					2.1	4.3	.,	2.8			4.3			X	24.1
7 . 10	4.3	.7	1.4	.7		.7	2.1	2.8	4.0	1.4	1.	2.1	1.4	.7	2.8			X	28.4
9:		1.4	1.4		2.8	1.4			1.4				2.1	2.1	.7	2.1		\bigvee	22.7
1.3	2.1					2.8	1.4	2.1	••	1.4	1.4							\bigvee	13,5
SPEED (KNTS) DIR.	z	NNE	¥	ER.	w	ESE	35	SSE	•	SSW	NS.	WSW	>	WNW	¥	MNW	VARBL	CALM	

0

0

DIRNAVOCEANMET SMOS

141

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

10.6

MEAN WIND SPEED

9.7

10.0 8.8 11.4 12.4 10.8 8.9

9.6

9.1

WWW

SW WSW

.

0

22 22 23

.

NW VARBL CALM

0

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

MEMPHISS TENNESSEE STATION MANE

YEARS

ALL WEATHER

12 HOURS (L.S.T.)

FEB STA

SPEED (KNTS) DIR.

z z z z

COMBITION

*	8.5	1.4	1.4	2.8	2.8	2.1	3.5	3.5	13.5	13.5	8.5	9.0	7.1	7.8	8.5	7.1	2.8	100.0
95 AI									_								X	
48 - 55																	X	
41 - 47																	\bigvee	
34 - 40																	\bigvee	
28 - 33																	\bigvee	
22 · 27	.7																X	2.1
17 - 21							2.		2.1	2.1		. 3	.7	.7			X	7.8
91 - 16	2.8	.7				.,	.,		4.3	5.0	5.0			1.4	3.5	3.5	X	30.5
7 - 10	2.8	.7	.7		1.4	.7	.7	2.8	4.3	2.1	1.4	1.4	4.3	8.8	2.5	1.4	X	31.2
•	1.4		. 7		1.4	1.			.3	2.1		1.4	.,	1.4	4.4	1.4	X	3.41
- :-	.7			2.1			. 7		1.4	1.4				1.4			X	10.6 14.9

TOTAL NUMBER OF OBSERVATIONS

141

4.4

DIRNAVOCEANMET SMOS

0

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

1.5 HOURS (L.S.T.) FEB NONTH YEARS (FROM HOURLY OBSERVATIONS) 73-77 ALL WEATHER CONDITION MEMPHIS, TENNESSEE NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93839

0

0

0

0

0

0

MEAN WIND SPEED	8.9	4.9	0.6	5.5	3.0	10.0	8.3	8.8	12.1	12.2	10.0	13.0	5.7	4.6	8.0	9.5			
*	9.2	3.5	1.4	1.4	2.1	1.4	4.3	4.3	16.3	6.6	5.7	5.7	8.5	9.2	5.0	9.2		2.8	
% Al																		X	
48 - 55																		X	
41 - 47																		\bigvee	
34 - 40																		\bigvee	
28 - 33																		\bigvee	
22 - 27									1.4			. 7						\bigvee	
17 - 21									2.1	2.1						.1		X	
11 - 16	2.8						1.4	2.1	5.7	3.5	1.4	2.8		3.5		2.8		X	
7 - 10	4.3	1.4				1.4	2.1		3.0	3.5	W. W.		1.4	4.3	3.5	3.5		X	
•:	2.1		. 7	1.4	1.4						. 7		3.5	1.4	1.4	1.4		X	
		1.4						1.4	1.4				2.8				-	X	
SPEED (KNTS) DIR.	z	W.Z	¥	ENE		ESE	35	SSE	8	SSW	SW	WSW	>	WWW	¥	NNW	VARBL	CALM	

141

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

ALL WEATHER COMDITION

18 HOURS (L.S.T.)

FEB HONTH

YEARS

73-77

MEMPHIS, TENNESSEE

93839

0

MEAN WIND SPEED	6.6	5.3	5.2	3.0	6.7	5.7	0.9	7.4	9.5	8.1	5.4	4.3	4.8	6.1	6.1	8.5			6.3
×	6.6	2.8	3.5	4.3	2.1	2.1	5.0	7.8	14.9	4.9	7.1	2.8	8.5	5.0	4.9	5.7		5.7	10000
% Al																		\bigvee	
48 - 55																		\bigvee	
41 - 47																		\bigvee	
34 - 40																		\bigvee	
28 - 33																		\bigvee	
12 - 22														11.14.00			,	\bigvee	
17 - 21										1.						1.4		\bigvee	2.1
11 - 16	1.4				.7		.7	2.1	4.9	1.4			1.4	1.4	1.4			\bigvee	17.7
7 - 10	2.1	1.4	1.4			1.	1.	2.1	5.0	.1	2.1	.7	.7	.1	.7	2.1		\bigvee	21.3
9.7	5.0	. 7	. 7	1.4	1.4	1.4	2.1	2.1	1.4	1.4	1.4	. 7	.7		. 7			\bigvee	22.7
1.3	1.4	.7	1.4	2.8			1.4	1.4	2.1	2.1	2,8	1.4	5.7	2,1	3.5	1.4		\bigvee	5.0€
SPEED (KNTS) DIR.	z	NNE	Ne.	ENE		ESE	SE	SSE	S	SSW	WS	WSW	*	WWW	WW	NNN	VARBL	CALM	

0

TOTAL NUMBER OF OBSERVATIONS

=

MEAN WIND SPEED

*

128

48 . 55

41 - 47

34 - 40

28 - 33

22 - 27

17 - 21

11 . 16

7.10

4.6

1.3

SPEED (KNTS) DIR.

1.4

2.1

3.5

Z 2 2

z

1.4

..

. 1.4

1.4

4.3

ESE SE SSE

0

4.4

3.5

0.4

7.1

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

SURFACE WINDS

(FROM HOURLY OBSERVATIONS)

73-77

ZEMPHIS, TENNESSEE

93839

0 0

0

0

0

0

YEARS

WEATHER

ALL

21 HOURS (L.S.T.)

FEB

CONDITION

1001

11.3 8.4

3.5

10.0

2.1

0.01

10.6

.

3.5 2.1 •

2.8 4.3 104

2.8

-

1.4

2.1

WSW

0

*

3

SSW

•

0

WWW

N. N. VARBL

0

1.4

...

4:4

2.8

TOTAL NUMBER OF OBSERVATIONS

=

141

5.7

100.0

2.8

14.2

21.3

22.7

24.1

0

0

CALM

0

14.9

SMOS DIRNAVOCEANMET

7.4

9.6

MEAN WIND SPEED

7 26

48 - 55

41 . 47

34 - 46

28 . 33

22 - 27

17 - 21

11 . 16

7 - 10

4.6

1.3

SPEED (KNTS) DIR.

•

3

2.6 9.

3.2

9.

4.5 4.4 0.9 7.3

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

WEATHER ALL

MEMPHIS, TENNESSEE

73-77

CONDITION

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ALL HOURS (L.S.T.)

FEB HONTH

3.5 3.0 5.0 11.7 5.3 6.9 4.9 160.0 5.1 4.1 11,3

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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

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93839 STATION

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CALM

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DIRNAVOCEANMET SMOS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93839 STATION

(FROM HOURLY OBSERVATIONS)

00 HOURS (L.S.T.) YEARS 73-77 WEATHER CONDITION ALL MEMPHIS, TENNESSEE

MAR

MEAN WIND SPEED	4.9	9.9	5.7	0.9	3.6	8.9	7.0	6.1	10.4	12.4	12.8	7.3	10.7	8.0	9.2	9.6			6.8
×	5.8	5.2	4.5	2.6	13.5	6.9	4.5	4.6	10.3	0.6	9.2	1.9	1.9	4.5	3.9	3.2		11.6	10000
8																		\bigvee	
48 - 55																		\bigvee	
41.4																		\bigvee	
34 . 40																		\bigvee	
28 - 33																		\bigvee	
22 - 22								9.	9.	9.	9.		9.					\bigvee	3.2
17 - 21						9.	9.		1.3	9.					9.			\bigvee	3.9
11 . 16	1.3		•			0.	9.		2.6	5.2	•	9.		1.3	9.	1.3		X	15.5
7 . 10	1.3	3.2		1.3	0	•		1.3	3.2	1.3	•	9.	0.	1.3	1.3	1.3		X	18.7
*;	9.	0.	3.2	0.	7.7	2.0		5.5	9	1.3	9.			1.3	9.			X	28.4
1:3	2.6	1,3	9.	0.	5.2	1.9	1.3	1.3	9.			9.	9.	9.	9.	9.		X	18.7
SPEED (KNTS) DIR.	z	NN	z	ENE		ESE	35	SSE		SSW	AS.	WSW	3	WWW	ž	NNN	VARBL	CALM	

0

155

TOTAL NUMBER OF OBSERVATIONS

A delinevas

200

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

03 NOURS (L.S.T.) MAR (FROM HOURLY OBSERVATIONS) 73-77 ALL WEATHER COMDITION MEMPHIS, TENNESSEE

MEAN WIND SPEED	0.9	8.5	3.1	3.6	4.4	4.9	8,1	9.3	8.6	12.8	4.4	10.4	7.7	10.5	8.8	9.6			9.9
×	7.1	2.6	5.2	5.2	6.7	5.9	2.6	7.7	0.11	8.5	5.4	3.6	6.1	6.8	5.6	5.2		12.9	100.0
%																10		\bigvee	
48 . 55																		\bigvee	
41 . 47																		\bigvee	
34 - 40																		\bigvee	
28 · 33																		\bigvee	
22 - 27											9.	9.						\bigvee	1.3
17 . 21								9.	9.	1.3				9.		9.		\bigvee	3.0
11 . 16	1.3						1.9	5.6	2.6	2.6	4.	9.		•	1.3	1.3		\bigvee	15.5
7 - 10	1.3	1.9	0.	9.	2.6	1.3	9.	9.	4.5	1.3	1.3	9.	1.3	2.6		9.		\bigvee	21.0
9.+	3.2	9.	9.	1.9	3.2	2.0	1.3	3.5	2.6		1.9	1.3	9.		9.	1.9		X	25.4
1.3	1.3		3.9	2.6	3.9	9.2	1.3	9.	9.	9.					9.	9.		\bigvee	18.7
SPEED (KNTS) DIR.	z	N.	¥	ER		ESE	35	SSE	•	SSW	S.	WSW	*	WWW	¥	NNN	VARBL	CALM	

=

DIRNAVOCEANMET SMOS

=

155

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93839 STATION

0

0

0

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

06 HOURS (L.S.T.) MAR 73-77 WEATHER CONDITION ALL MEMPHIS, TENNESSEE NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

4	• •	7 - 10	11 . 16	17 - 21	22 - 27	28 - 33	34 . 40	41.4	48 - 55	% AI	×	MEAN WIND SPEED
1.3		9.	1.9								5.2	7.6
çı.		3.6									5.2	5.6
1.3											2.6	3.5
1.3	1	0.									3.2	4.2
6.3	-	3.9									12.3	5.5
2.0	-	1.3	9.								7.7	6.8
2.6	-		1.9								6.5	6.8
3.2	-	0.	1.3								6.9	0.9
3.6	-	3.2	3.2	9.							11.0	9.6
1.3	-	1.3	9.	5.6							6.5	12.2
9.	-	1.3	9.		9.						5.5	8
9.	-										9.	5.0
9.	-	5.6									4.5	6.1
1.5	-	1.9	•								4.5	7.7
1.3	-	2.0			9.						5.5	8.6
1.3	-	2.6	9.								4.5	8.7
\bigvee		\bigvee	0.6									
30,3		25.2	11.6	3.2	1.3						100.0	6.5
	i											

DIRNAVOCEANMET SMOS

155

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

MAR	MONTH	60	HOURS (L.S.T.)	
73-77	YEARS	ALL WEATHER	CIASS	COMMITTION
TENNESSEE	STATION NAME			

MEAN WIND SPEED	12.3	4.0	0.6	7.0	7.5	8.8	9.3	7.6	11.3	4.6	6.3	1111	11.0	11.4	10.3	12.0			9.6
×	5.2	3.2	1.3	2.6	0.6	6.5	7.6	5.2	16.8	0.6	4.5	5.8	1.9	5.8	5.8	6.4		3.2	100.0
۶۶ ۲۱																		\bigvee	
48 - 55																		\bigvee	
41 - 47																		\bigvee	
34 - 40																		\bigvee	
28 - 33																		\bigvee	
22 - 27									9.									\bigvee	•
17 - 21	9.						9.		1.9				9.	9.	9.			\bigvee	5.8
91 - 11	1.9	1.3	9.		3.6	1.3	5.6	1.3	5.8	4.3	2.6	3.2	9.	3.5	1.9	1.9		X	35.5
7 - 10	2.6	1.9	9.	1.9	9.	3.2	3.2	1.9	2000	1.9	9.	1.3		1.3	1.9	1.9		\bigvee	31.0
9.4				0.	4.5	6	2.0	1.3	1.9	4.9	1.3	1.3	9.	9.	1.3			X	20.05
1.3					1.3		9.	•	9.	9.								X	3.9
SPEED (KNTS) DIR.	z	N N	¥	ENE		ESE	25	SSE	•	SSW	AS.	WSW	*	WWW	×	NNN	VARBL	CALM	

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

MEMPHISS

STATION

PERCENTAGE ERFOLIENCY OF WIND

	XAR	MONTH	12	NOURS (L.S.T.)	
FERCENIAGE FREGUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)	73-77	YEARS	ALL DEATHER	CLASS	CONDITION
	MEMPHIS, TENNESSEE	STATION NAME			
SPH VILLE, NC	MEMPH IS.				

MEAN WIND SPEED	4.5 10.6		2.6 5.0	2.6 5.5	3.9 9.3	5.2 6.8	7.1 11.0	6.5 9.6	17.4 13.0	14.2 14.1	2.6 15.5	4.5 7.7	6.8 0.6	3.2 10.4	6.5 12.5	5.8 11.3		0.	
95 21																		X	
48 - 55																		X	
41 - 47																		\bigvee	
34 - 40																		\bigvee	
28 - 33																		\bigvee	
22 - 27							1.9		9.5	9.					9.			\bigvee	
17 - 21								9.	1.3	3.9	1.3		1.3	9.				X	
11 - 16	1.9	9.	9.		1.3	9.	1.3	1.9	7.1	6.5	1.3	1.3	1.9	1.3	3.2	2.6		X	
7 - 10	2.6	1.9		0.	1.9	5.0	9.	3.8	*	1.9		1.3	1.3		2.0	2.6		X	
4.6		7	0.	1.9	9.	0.			7.9	200		1.3	3.2	1.3		9.		X	
1.3		9.	1.3			1.3	1.3	0.				0	1.3					X	
SPEED (KNTS) DIR.	z	N.	a z	ENE		ESE	SE	SSE	0	SSW	SW	WSW	>	WNW	××	NN.	VARBL	CALM	

0

0

0

0

155

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER

MAK

		_	_		_	_	_		_	_		_	_		_	_	_		
MEAN WIND SPEED	11.2	12.3	5.8	8.6	4.4	4.4	12.0	10.6	13.3	15.4	14.1	11.5	7.6	8.4	9.6	10.9			
×	8.4	9.2	3.2	3.2	4.5	3.9	5.8	7.7	5.61	12.3	7.1	6.8	5.4	5.2	6.4	6.5		1.3	
8 Al																		\bigvee	
48 - 55																		X	
41.47																		X	
34 . 46																		\bigvee	
28 - 33										9	9.							X	
22 - 27							1.3	9.	1.3	1.9		9.						X	
17 - 21	1.9							9.	2.6	1.3	1.3			9.		9.		X	
11 . 16	2.6	1.9		1.3		1.3	1.3	1.9	6.5	5.8	2.6	1.3	1.3	1.3	1.9	2.6		X	
7 - 10	2.6		1.3	9.	1.3	1.9	1.9	1.3	3.9	1.3	1.9	9.	9.	9.	1.3	2.6		X	
*:		0.	1.3	1.3	1.3		1.3	2.6	1.3	1.3	9.	9.	2.6	1.9	1.3	0.		X	
1.3	1.3		9.		1.9	9.		9.				9.		9.				X	
SPEED (KNTS) DIR.	z	NNE	¥.	ENE		ESE	SE	SSE	8	SSW	SW	WSW	*	WNW	XX	NNW	VARBL	CALM	-

DIRNAVOCEANMET SMOS

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93839 STATION

MEMPHIS, TENNESSEE

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

MEMPHISS TENNESSPE STATION NAMES

93839 STATION

YEARS

18 HOURS (L.S.T.)

MAR

MEATHER

ALL

COMBITION

MEAN WIND SPEED	8.6	7.0	5.6	2.3	6.3	4.8	7.4	11.2	12.7	6.8	8.7	2.0	7.2	6.2	8.1	5.6			7.9
×	8.4	3.9	5.2	2.6	5.8	2.6	3.2	4.6	14.8	8.4	3.9	3.2	7.1	3.9	4.5	8.4		4.5	100.0
% A1																		\bigvee	
48 - 55																		\bigvee	
41 - 47																		\bigvee	
34 - 40																		\bigvee	
28 - 33																		\bigvee	
22 - 27								0.	9.									\bigvee	1.3
17 - 21	9.						0.	1.9	3.5	9.								\bigvee	7.1
11 - 16	1.9	9.	1.3		1.3			1.9	6.5	1.9	1.9		5.0		1.3			\bigvee	21.3
7 . 10	2.6	1.3			1.9	9.	9.	2.6	1.9	1.9		9.	9.	1.9	1.3	3.2		\bigvee	21.3
9.4	2.6	1.9	5.1	9.		9.	103	1.9	1.9	2.6	1.3	3.	2.6	0.	3.3	942		\bigvee	25.8
1.3	9.		1.9	1.9	2.6	1.3	9.	9.	9.	1.3	9.	9.	1.3	1.3	9.	2.6		\bigvee	18,7
SPEED (KNTS) DIR.	z	NNE	N.	ENE		ESE	35	SSE	s	SSW	SW	WSW	*	WNW	NW	MNW	VARBL	CALM	

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SMOS DIRNAVOCEANMET

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155

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

WIND SURFACE WINDS	MAR	YEARS	21	HOURE (L.S.T.)	
PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)	73-77		ALL MEATHER	CLASS	CONDITION
VICE	MEMPHIS, TENNESSEE	STATION NAME			
NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC	MEMPHIS				

MEAN WIND SPEED	8.0	5.8	4.6	3.4	5.5	7.6	8.0	7.2	11.3	11.4	5.0	0.9	6.7	13.3	0.6	9.2			7.2
*	6.5	3.9	6.5	5.2	7.7	7.1	3.2	0.6	15.5	7.1	5.6	3.2	1.9	1.9	5.8	3.9		0.6	100.0
95 Al																		\bigvee	
48 - 55																		\bigvee	
4.0																		\bigvee	
34 - 40																		\bigvee	
28 - 33									9.									\bigvee	• 6
22 - 27						9.			9.									\bigvee	1.3
17 - 21	0.					9.		•	9.	1.9				9.	9.			\bigvee	5.8
91 - 11	1.3				9.	9.	1.3	1.3	5.8	2.6	9.	•		0.	1.9	1.3		X	18.7
7 . 10	9.	5.1	1 . 3	9	1.3	1.3	9.	1.9	3.9	1.3		9.	1.03	0.	9.	1.9		X	20.0
9:+	1.9		2.6	9	2.0	1.3		3.2		0	9.	0.			1.3			X	18.7
1.3	1.9	1.9	2.6	3.0	3.2	2.6	1.3	6.1	9	9.	1.3	1.3	9.		1.3	9.		X	25.8
SPEED (KNTS) DIR.	Z	N.X	Z	E	-	ESE	3	SSE	-	WSS	×s.	wsw	>	WWW	ž	NNA	VARBL	CALM	

0

DIRNAVOCEANMET SMOS

155

TOTAL NUMBER OF OBSERVATIONS

1110

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8.6

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10.6

4.1 3.3

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1.3

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SSW

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WNW N N

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1.5

2.0 2.3 1.3 5. 1.0

3.7

4.1 4.1

9.3

4.6

5.2

6.5

7.3 MEAN WIND SPEED

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28

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17 - 21

11 . 16

7 . 10

4.6

1.3

(KNTS)

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30 1.08 1.6 1.0 3.9 1.5

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1.5

25 SE 55

WINDS SURFACE

> PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

YEARS

CONDITION

ALL WEATHER

ALL HOURS (L.S.T.)

MAR

3.9 5.3 7.6 3.4 × 128 . 55 \$. 47

TOTAL NUMBER OF OBSERVATIONS

1240

8.3

100.0

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5.0

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23.1

23.7

23.1

14.8

CALM VARBL

200

DIRNAVOCEANMET

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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

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93839

SERPHIS, TENNESSEE

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PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77 WEATHER ALL

NOURS (L.S.T.)

A P R

CONDITION

MEAN WIND SPEED	8.0	8.7	0.9	4.3	3.5	5.6	4.9	8.1	7.8	14.3	7.8	6.8	0.9	7.8	4.6	7.0			5.8
*		0.9	2.7	6.9	8.7	4.7	6.3	13.3	10.7	2.7	0.9	3,3	. 7	3.3	3,3	3.3		15.3	10000
%																		\bigvee	
48 - 55																		\bigvee	
41 - 47																		M	
34 - 40																		M	
28 - 33																		M	
22 - 27										.7								\bigvee	.7
17 . 21						.7				6.	6.3			.7		.,		\bigvee	5.3
11 - 16		1.3						2.7	2.0		1.3	.7			~			\bigvee	8.7
7 - 10	4.	2.0	1.3		1.3		3.3	3.3			1.3	1.3		.7	1.3			\bigvee	20.7
4.6		.7	.,	3.3	2.0		2.0	6.7	0.9		1.		.,	.7		2.0		\bigvee	27.3
1.3		1.3	.7	2.0	5.3	3,3	0.4				2.0			1.3				\bigvee	22.0
SPEED (KNTS) DIR.	Z	Z	¥	ENE		ESE	35	SSE	•	SSW	AS	WSW	*	WWW	M	NNN	VARBL	CALM	

DIRNAVOCEANMET SMOS

150

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93839 STATION

MEMPHIS, TENNESSEE

0

0

0

0

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NOURS (L.S.T.) YEARS (FROM HOURLY OBSERVATIONS) 73-77 ALL WEATHER MEMPHIS, TENNESSEE NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

CONDITION

APR

9.4
200
1.3
2.0
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3.3 1.3
4.7 4.
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1.3
1.3 1.3
.1
.7
X
22.0 14.0

0

0

0

0

0

DIRNAVOCEANMET SMOS

0

150

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

YEARS 73-77 ALL WEATHER MEMPHIS, TENNESSEE

CONDITION

NOURS (L.S.T.)

APR

MEAN WIND SPEED	8.3	0.9	4.9	4.6	5.6	4.4	5.9	7.1	11.0	9.6	4.0	10.3	10.3	2.7	5.8	14.0			5.6
*	0.4	3.3	6.7	5.3	6.7	0.01	0.9	15.0	0.9	4.9	1.3	2.7	4.4	0.2	2.7	.,		19.3	100.0
% AI																		\bigvee	
48 - 55																		\bigvee	
41 - 47																		\bigvee	
34 - 40																		\bigvee	
28 - 33																		\bigvee	
22 - 27									7.									\bigvee	.7
17 - 21																		\bigvee	
11 - 16	1.3				.7		.7	1.3	2.7	2.0		1.3	2.7			.,		\bigvee	15.3
7 . 10		1.3	2.7	1.3	2.0	.7	2.0	0.9	1.	3.3			1.		1.3			\bigvee	22.7
9	2.7		2.0	2.0	1.3	4.7	1,3	3.3	2.0		.7	. 7	7.	.7	.,			\bigvee	23.3
1.3		1.3	1.3	2.0	2.7	0.4	2.0	1.3						1,3	. 7			\bigvee	18.7
SPEED (KNTS) DIR.	z	ZZ	¥	ENE	w	ESE	35	SSE	s	SSW	AS.	WSW	*	WNW	WW	MNN	VARBL	CALM	

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93839 STATION

NOUNS (L.S.T.)

APR

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS) 73-77 MEMPHIS, TENNESSEE NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

ALL WEATHER

93839 STATION

0

CONDITION

SPEED (KNTS) DIR.	1.3	9.7	7 - 10	91 - 11	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	% A1	*	MEAN WIND SPEED
z	.7		1.3	2.0								0.4	9.5
N.			.7									2.0	8.0
W.			1.3	2.2								4.7	10.0
ENE	2.		0.4	1.3								0.9	8.9
	•	1.3	5.6									0.9	6.9
ESE	1.3		1.3									0.4	6.3
SE			.7	2.0								2.7	12.0
SSE	1.3	1.3	50	4.0								12.7	8.6
s	2.7	1.3	8.8	5.3								12.7	1 . 6
SSW		1.	0.4	4.7								6.8	11.0
SW		1.	0.5	2.7	1.3	. 7						7.3	12.5
WSW		1.	L.		6.							3,3	12.4
*	1.3		2.7	2.0								6.0	6.8
WNW	4.	0.5	3.3	2.0								8.0	7.8
XX		6.5	1.	2.7								5.3	8 . 8
NNW		1.3										2.7	8.4
VARBL													
CALM	\bigvee	3.3											
	11,3	12.0	35.3	34.7	2.7	.7						100.0	9.0

0

150

TOTAL NUMBER OF OBSERVATIONS

の意思をあって

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77 WEATHER ALL

YEARS

12 HOURS (L.S.T.)

A P.R.

CONDITION

4.6

1.3

SPEED (KNTS) DIR.

0

WIND SPEED	7.0	8.8	10.7	8.4	5.0	7.4	8.3	13.9	13.0	12.8	10.9	10.2	8.7	12.0	10.1	5.5		10.3
*	0.9	3.3	4.0	4.7	6'3	3,3	0.0	7.3	15.3	10.0	6.3	6.7	7.3	6.7	5.3	2.7	1.3	100.0
8 Al																	\bigvee	
48 - 55																	\bigvee	
41.4																	\bigvee	
34 - 46																	\bigvee	
28 - 33																	\bigvee	
22 - 27										. 7							X	
17 - 21			.,				. 7	2.7	3.3	1.3				2.0			X	10.7
11 . 16	2.7	1.3	1.3	.7				3.3	7.3	5.3	2.7	3.3	3.3	2.0	2.7		X	36.7
7 . 10		.7	.7	2.7	1.3	2.0	3.3	.7	4.0	1.3	0.4	2.0	1.3	.7	1.3	.7	X	76.7

2.0 6.0

WSW WSW

SSW

•

0

25 22 22 25 22 23

0

-

WWW NWW VARBL

CALM

15.3

150

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

1

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93839 STATION

MEMPHIS, TENNESSEE

DIRECTION AND SPEED

PERCENTAGE FREQUENCY OF WIND (FROM HOURLY OBSERVATIONS)

ALL WEATHER CONDITION

15 HOURS (L.S.T.)

A P R

VEARS

73-77

MEMPHIS, TENNESSEE

MEAN WIND SPEED	8.1	9.5			6.8	6.3	10.1	1:11	11.5	12.8	0.6	14.4	4.6	10.5	10.8	7.7			10.4
*	5.3	6.0	4.0	2.0	2.7	0.4	4.7	10.0	18.0	10.7	2.7	7.3	0.9	8.7	0.4	0.4		0.	0.001
% AI																		\bigvee	
48 - 55																		\bigvee	
41 - 47																		\bigvee	
34 - 40																		\bigvee	
28 · 33																		\bigvee	
22 - 27										1.3								X	
17 . 21								1.3	1.3	1.3		2.0						X	
91 - 11	1.3	2.0						4.7	8.0	0.4		2.7	2.7	4.0	2.7			X	
7 . 10	2.0	2.0	1.3	1.3	.7	2.0	. 7	2.0	4.7	2.7	1.3		2.7	2.0	.7	2.0		X	
9.+	1.3	1.3	2.0		.7	1.3	2.0		3.3	1.3				1.3				X	
	1.	. 7			1.			1.3						1.				X	
SPEED (KNTS) DIR.	z	W.	W X	ENE	-	ESE	SE	SSE	s	SSW	SW.	WSW	*	WNW	×	NN.	VARBL	CALM	

DIRNAVOCEANMET SMOS

.

0

0

0

0

0

0

150

TOTAL NUMBER OF OBSERVATIONS

93839 STATION

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

18 HOURS (L.S.T.) APR YEARS 73-77 ALL WEATHER CONDITION MEMPHIS, TENNESSEE

SPEED 1 · 3 DIR.	•	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	95 AI		
1.	3 1.3	1.3									4.	-
	2.0	2.0	. 7								4.7	
•	7 6.7	2.0	.7								10.0	
	1.3		.7								2.0	C
1.3	3										1,3	103
-	3 .7	1.	1.3								4.0	0
•	7 2.7	3,3	1.3								8.0	C
	2.7	1.4	2.0								6.3	60.
	0.4	7.3	2.7	.7.	.7						15.3	20.5
1.	3 2.7	0.4	1.3								6.9	10.5
•	7 3.3	3.3									8.0	0
•	7 1.3	1.		.7							0.4	0
2.	0.										2.7	-
•	7 .7	2.0	.7								4.0	C
2.0	7. 0	2.7	.7	.7							6.7	-
	1.3	.7	2.0								0.4	O
												1
X	\bigvee	X	\bigvee	2.0	103							
12.7	2 92 0	2	. 7		***							

0

0

0

1111

0

150

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

0

0

0

0

6.7

MEAN WIND SPEED

28 - 33

. 27

22

17 - 21

11 - 16

7 - 10

4.6

1.3

SPEED (KNTS) DIR.

1.3

2.7

N N N

3.5

6.2 5.8 5.8

5.4

1.3

6.5 9.1 6.5

13.3

. 7

.

...

1.3

1.3

.

1 . 3

.

6.9

3.5

3.3

8.8

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER

YEARS

21 HOURS (L.S.T.)

APR MONTH

CONDITION

12 48 - 55 41 . 47 34 - 40

1.3

2.1 . 0.0 8.0

4.0

2.0

SE SE SSE

w

2.0 . 3 2.0

4.7

TOTAL NUMBER OF OBSERVATIONS

150

5.7

100.0

..

6.7

32.7

24.7

18.0

16.0

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

0

93839 STATION

MEMPHIS, TENNESSEE

0

0

0

0

0

WNW

*

WSW

SW

SSW

8

VARBL

CALM

NN.

Ž

100

ALL HOURS (LS.T.)

APR

YEARS

73-77

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FRO#A HOURLY OBSERVATIONS)

ALL WEATHER CONDITION

MEAN WIND SPEED	7.5	7.9		6.2	4.9	9.6		8.9	10.3	10.8	8.8	11.0	8.3	8.8	9.1	7.4			7.5
×	0.4	4.5	5.0	4.2	6.2	5.2	4.9	10.3	13.1	7.0	6.4	3.8	4.1	4.7	4.1	2.8		4.6	100.0
% Al																		\bigvee	
48 - 55																		\bigvee	
41 - 47																		\bigvee	
34 . 40																		\bigvee	
28 - 33												1.						\bigvee	
22 - 27						.1	1.		.5	E .	• 1							\bigvee	1.1
17 . 21		1.	1.			1.	2.	4.	1.	• 6	.2	4.		4.	ۥ	1.		\bigvee	0.4
11 - 16	1.2	6.	8.	.3	.3	4.		2.4	4.2	2.3	1.2	1.5	1.5	1.2	1.2	.5		\bigvee	20.8
7 - 10	6.	1.7	1.6	1.6	1.5	1.0	2.2	4.2	4.4	2.1	1.7	1.0	1.1	1.2	1.1	.7		\bigvee	28.0
4.6	8.	1.2	1.7	1.4	1.7	1.5	1.9	2.4	2.7	1.2	1.0	9.	. 7	6.	. 8	6.		\bigvee	21.7
1.3	1.0	9.	1.	8.	2.6	2.2	1.3	1.	. 5	4.	.7	2.	8.	6.	9.	9.		\bigvee	14.7
SPEED (KNTS) DIR.	z	NNE	NE	ENE	E	ESE	SE	SSE	s	SSW	SW	WSW	*	WNW	NW	MMW	VARBL	CALM	

5111

1200

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

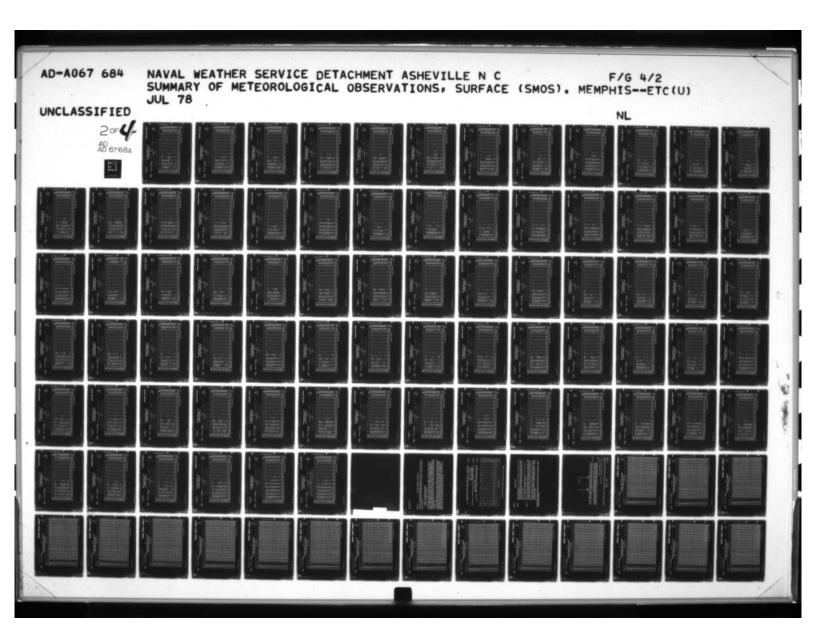
93839

MEMPHIS, TENNESSHE STATION NAME

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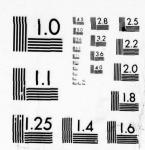
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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-4

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PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

00 HOURS (L.S.T.) MAY 73-77 ALL WEATHER CONDITION MEMPILS, TENNESSEE NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

MEAN WIND SPEED	9.8	6.5	5.5	4.2	3.3	0.4	4.5	8.1	4.9	7.4	5.5	7.0	5.0	7.5	4.5	7.3			4.4
×	5.8	2.6	7.7	5.8	4.6	7.7	7.1	7.7	10.3	3.2	1.3	1.3	1.0	1.3	1.3	2.6		22.6	100.0
95 \																		X	
48 - 55																		\bigvee	
19 - 14																		\bigvee	
34 - 40																		\bigvee	
28 - 33																		\bigvee	
22 - 27																		\bigvee	
17 - 21								9.										\bigvee	9.
11 . 16	9.						•	1.3	1.9	1.3				9.		9.		\bigvee	7.1
7 - 10	1.3	1.3	2.0	9.	9.	1.9	1.3	1.9	3.9			•				9.		\bigvee	16.8
4.6	2.6	1.3	3.9	2.6	2.0	1.9	1.3	3.5	4.5	9.	1.3	0.	1.9		0.	1.3		\bigvee	30,3
1.3	1.3		1.3	2.6	6.5	3.9	3.9	9.		1.3				••	9.			X	22.6
SPEED (KNTS) DIR.	z	NN	ž	ENE	w	ESE	35	SSE	s	SSW	NS.	WSW	*	WNW	WW	MNN	VARBL	CALM	

10

0

0

0

DIRNAVOCEANMET SMOS

-

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

(FROM HOURLY OBSERVATIONS)

73-77

MEMPHIS, TENNESSEE

93839 STATION

0

0

0

YEARS

WEATHER

ALL

0.3 HOURS (L.S.T.)

MAY

CONDITION

28 - 33

22 - 27

17 - 21

11 . 16

7 - 10

1.3

SPEED (KNTS) DIR.

1.9 .0

.

1.3 .

6.5 4.3 3

2.00

1.3

WX. Z Z

z

0

0

0

5.9 1.5 0.0 5.6 3.7 3.9 MEAN WIND SPEED 2.6 3.9 5.2 1.3 4.5 10000 27.7 128 . 55 4 41 - 47 34 - 40

•

.0

5.6

3.2 .

3.2

3.2

0

-

00

. • 6

WSW WSW

0

SSW

•

0

9

3

0

WNW NA NA VARBL SEE

0

*

1.9

0

TOTAL NUMBER OF OBSERVATIONS

4.5

12.9

29.0

25.8

155

SWOS DIRNAVOCEANMET

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

73-77

MEMPHIS, TENNESSEE

93839

WEATHER CLASS

ALL

06 HOURS (L.S.T.)

MAY

MEAN WIND SPEED	7.5	9.9	6.3	2.1	5.2	3.2	3.4	6.5	7.4	8.8	5.0	2.3	5.4	2,3	2.7	5.0			4.6
×	3.9	4.5	4.5	4.5	14.2	7.7	0.6	5.2	12.9	5.2	3.2	1.9	3.2	1.9	1.9	1.9		14.2	100.0
% Al																		X	
8 . 55																		X	
4.0																		\bigvee	
34 - 40																		\bigvee	
28 · 33																		X	
22 - 22																		X	
17 . 21																		X	
51 . 16	9.							1.3	1.9	1.3	9.		9.					X	6.9
7 . 10	1.3	5.6	1.9		3.2			•	3.9	2.0			•					X	16.0
:	1.3	1.3	1.9	1.3	9.4	3.6	2.0	1.3	6.0	1.3	9.		9.	9.	9.	1.3		X	33.5
1.3	9.	9.	9.	3.2	2.6	3.9	6.5	1.9	9.		1.9	1.9	1.3	1.3	1.3	9.	The state of	\bigvee	29.0
SPEED (KNTS) DIR.	z	NNE	¥	Z	9	ESE	SE	SSE	•	SSW	NS.	WSW	*	WWW	W	NNN	VARBL	CALM	

155

TOTAL NUMBER OF OBSERVATIONS

The Manderson

188

PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

(FROM HOURLY OBSERVATIONS)

YEARS ALL WEATHER CONDITION MEMPHISS TENNESSEE

73-77

93839

0

0

0

0

0

0

0

09 HOURS (L.S.T.)

MAN

MEAN WIND SPEED	7.6	8.5	7.3	7.5	6.3	5.9	6.2	7.8	7.3	10.4	8.5	6.5	0.9	7.0	8.2	9.9			7.2
*	5.2	5.2	3.9	6.9	7.1	5.2	5.8	7.7	10.3	10.3	8.4	5.5	3.2	3.2	3.2	5.2		4.5	100.0
% Al																		X	
48 - 55																		X	
41.4																		\bigvee	
34 . 40																		\bigvee	
28 · 33																		\bigvee	
22 - 27																		X	
17 . 21								9.			9.							\bigvee	. 3
11 - 16	1.3	9.		1.9				9.	3.2	6.5	1.3	9.		9.	1.3			\bigvee	89
7 - 10	1.9	3,2	1.9	1.3	3.2	1.9	1.9	9.2	2.0	9.	3.2	1.9	1.9	9.	0.	3.2		\bigvee	32.0
•	4.3	1.3	1.9	2.0	3.2		3.2	3.2	1.9	2.6	2.6	1.9	0.	1.9	1.3	1.3		X	32.9
::	9.			9.	9.	1.3	9.	9.	2.6	9.	9.	9.	9.			9.		X	10.3
SPEED (KNTS) DIR.	z	N.	¥	E	3	ESE	35	SSE	•	SSW	SW	WSW	*	WWW	W	MNN	VARBL	CALM	

= 0

155

TOTAL NUMBER OF OBSERVATIONS

Comment of the State of the Sta

DIRNAVOCEANMET SMOS

SURFACE WINDS 12 HOURS (L.S.T.) MAY

> PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

NO

73-77

MEMPHIS, TRNNESSER

93839 STATION

0

0

0

Q

0

0

0

0

0

YEARS

COMBITION

ALL WEATHER

MEAN WIND SPEED	5.6	9.6	7.5	0.6	5.5	7.2	5.0	9.6	10.1	10.9	9.5	10.0	4.9	7.3	7.2	6.3			8.4
*	7.1	4.5	7.1	5.6	5.2	6.9	1.9	6.5	17.4	11.0	0.6	3.2	7.1	2.6	3.2	4.5		9.	100.0
% AI																		\bigvee	
48 . 55																		\bigvee	
41.4																		\bigvee	
34 . 40																		\bigvee	
28 - 33																		\bigvee	
22 - 27										9.								\bigvee	9.
17 . 21								9.	0.									\bigvee	1.3
1.16	9.	1.3	1.9	•		9.		1.9	8.4	4.5	3.9	1.3	•	9.	•			\bigvee	27.1
7 . 10	2.6	1.9	1.3	0.	1.9	5.6	0.	2.0	3.2	3.9	3.2	1.3	2.6	1.3	•	3.6		X	32.9
:	1.9	1.3	2.6		6.1	2.6	9.	1.3	5.5	1.3	6.7	9.	7.8		1.3	1.3		X	27.1
1:3	1.9		1.3		1.3	9.	9.			9.			1.9	9.	0.	9.		X	10.3
SPEED (KNTS) DIR.	z	N.	Z	Z.		ESE	3	SSE	•	SSW	NS.	WSW	*	WNW	¥	NNN	VARBL	CALM	

0

155

TOTAL NUMBER OF OBSERVATIONS

is abreva.

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND PIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77

MEMPHIS, TENNESSEE

93839 STATION

0

0

0

YEARS

ALL WEATHER

15 HOURS (L.S.T.)

MAM

CONDITION

MEAN WIND SPEED	8.3	4.6	8.9	5.3	1.1	7.2	7.6	4.6	10.5	12.5	13.7	11.0	6.7	9.3	0.9	7.5		9.0
,	6.5	5.2	5.2	1.9	10.3	3.9	3.2	4.5	20.6	8.4	4.5	5.2	3.9	2.6	5.2	6.5	5.6	100.0
% Al																	\bigvee	
48 - 55																	\bigvee	
41.40																	\bigvee	
34 - 46																	\bigvee	
28 - 33																	\bigvee	
2.2									9.	•							\bigvee	1.3
17.21									1.3	1.3	1.3	9.					X	4.5
91 - 11	1.9	1.3	1.9		1.3		•	•	7.7	3.9	1.9	1.9	9.		9.	1.3	X	25.8
9.	2.6	3.9	1.3	1.3	4.5	2.6	1.3	3.2	7.7	1.3	1 . 3	1.9	9.	3.6	1.9	3.2	\bigvee	1,3

2.6

0 ...

9.

NA NA

VARBL

CALM

.

WSW WW W

SSW

3.5

•

- 3 2 2 ~

0

1.3

3.2 ... 1.3

1.9

0

4.6

-3

SPEED (KNTS) DIR.

0

0

18.7

5.8

TOTAL NUMBER OF OBSERVATIONS

135

DIRNAVOCEANMET SMOS

18 HOURS (1.5.T.)

MAY

5702 SURFACE WINDS JAN 78

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

(FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER

MEXPILS, TEXNESSEE

93839 STATION

01

0

YEARS

MEAN WIND SPEED	4.1	5.4	5.1	6.8	5.3	5.5	5.7	8.3	10.3	8.1	7.0	7.0	4.7	5.0	5.2	8.0			*
*	4.5	6.5	6.1	2.6	5.8	3.9	8.4	11.6	11.0	4.6	7.7	2.6	1.9	3.2	5.8	2.6		5.6	
% Al																		\bigvee	
8 - 55																		\bigvee	
41-47																		\bigvee	
34 - 40																		\bigvee	
28 - 33																		\bigvee	
22 - 27																		X	
17.21									9.	9.								X	
91.11							0.	1.9	3.2	1.9	9.	9.			9.	9.		X	1
7 . 10	0.	1.9	1.0	9.	1.9	9.	0.	0.5	5.8	3.9	3.9	9.	0.	9.	0.	0.		X	
•	1.9	3.2	6.9	1.5	3.6	3.5	6.5	5.6	9.	6.7	3.6	0.	9.	1.3	3:1	1.3		X	
::	1.9	1.3	1.3	9.	9.		9.	0.	9.	1.3		9.	9.	1.3	2.0			X	
SPEED (KNTS) DIR.	z	W.	¥	E E	-	125	35	SSE		SSW	NS.	WSW	>	WWW	*	NNN	VARBL	CALM	

0

0

0

Q

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

YEARS

21 NOURS (L.S.T.)

MAY

WEATHER

ALL

CONDITION

WIND WIND SPEED	5.1	3.7	4.6	3.5	3.4	4.9	5.9	5.8	0.6	3.6	0.0	8.0	2.7	2.0	4.8		4.4
*	5.2	6.9	5.2	5.2	11.6	0.6	14.2	9.6	7.1	3.2	5.6	1.9	1.9	9.	3.2	14.2	100.0
%																X	
48 - 55																X	
41 - 47																\bigvee	
34 - 40																\bigvee	
28 - 33																\bigvee	
n · n																\bigvee	
17 - 21									9.							\bigvee	9.
	1	1	_	-	-	-	-	-	-	-	-	-	-				

1.3

3.9

9.

•

2 2 2

3.9 1.3

1:3

90

SW WSW

5.0

•

4.5 3.9 6.9 1.9

5.5

.

3.0 2.6

1.9

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93839 STATION

SEMPHIS, TENNESSEE

11 - 16

7 - 10

4.6

-3

SPEED (KNTS) DIR.

Z

E E

0

0

3:

9.

9 0

*

•

1.3

NW NW

0

17.4

34.2

29.7

CALA

VARBL

155

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

(FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

73-77 ALL WEATHER

ALL HOURS (LS.T.)

MAY

SPEED (KNTS) DIR.	1.3	*:	7.10	11 . 16	17.21	22 - 27	28 - 33	34 - 40	41.47	48 - 55	VI 85	×	WEAN WIND SPEED
z	1.2	1.9	1.5	9.								5.2	6.2
NNE		1.5	2.1	4.								4.8	6.8
NE NE		3.1	1.7	.5								0.9	6.2
ENE	1.6	1.5	9.	.3								4.1	6.4
E	3.1	7.4	2.2	~								9.7	4.9
ESE	2.0	2,3	1.6	7.								0.9	5.0
SE	2.6	2.7	1.2	*•								6.9	5.1
SSE	8.		6.5	1.2	.2							7.3	7.6
s	9.	3.5	6.4	3.7	4.	-						12.7	0.6
SSW	9.	1.5	8 • 1	5.4	.2	.2						9.9	9.6
SW		1.2	1.6	1.1	.2							4.9	8.3
WSW	9.	9.	6.	9.	1.							2.7	7.8
*	9.	1.2	1.0	.3								3.1	6.2
WNW		9.	9.	.2								2.3	5.8
NN	1.1	9.	6.5	4.								2.8	5.5
NNN		1.4	1.5	.3								3.9	6.2
VARBL													
CALM	\bigvee	\bigvee	\bigvee	X	X	X	\bigvee	\bigvee	X	\bigvee	\bigvee	11.1	
	18.5	30.7	25.3	12.9	1.2	.2						100.0	6.0

DIRNAVOCEANMET SMOS

93839 STATION

MEMPHIS, TENNESSEE

0

1240

TOTAL NUMBER OF OBSERVATIONS

MEAN WIND SPEED

*

22 - 27

17 - 21

11 - 16

7 - 10

4.6

1.3

SPEED (KNTS) DIR.

. 7

-

3.3

2.0

3.6

6.6

5.9

6.0 6.7 14.7 4.7

3.4

0.4

3.5 3.0 4.8

2.0

22.7

100.0

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND (FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

MEMPHIS, TENNESSEE

73-77

YEARS

ALL WEATHER

NOURS (L.S.T.) NON

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93839 STATION

0

0 0 0

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1.3

.

SS SS SS

--

2.0

SSW

*

1.3

1.3

Z Z Z

1.3

0

* *

WSW

S.

1.3

VARBL

CALM

NN

×

2.7

10.7

28.7

35.3

149

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER

YEARS

NOURS (LS.T.)

NOW THE

CONDITION

WIND WIND SPEED	3.4	8.0	0.4		3.9	4.9	3.0	9.0	5.8	5.6	3.8	3.6	4.3	2.0	2.6	4.7			3.0
×	3.4	2.0	.,		11.64	0.9	4.6	5.4	6.7	4.7	5.4	3.4	0.4		3.4	2.0		29.5	100.0
% Al																		X	
48 - 55																		X	
41.4																		X	
3 6																		X	
28 - 33																		\bigvee	
22 - 27																		X	
17 - 21																		X	
11 . 16		.,							.7	.1								X	2.7
7 . 10					2.0	2.0		2.7	1.3	.7	.7							X	10.7
9.1	2.7				2.7	1.3	2.7	1.3	2.7	2.0	2.7	1.3	1.3		. 7	. 7		X	22.0
÷.3	2.7				6.1	2.7	6.7	1.3	2.0	1.3	2.0	2.0	2.0		2.7	. 7		X	34.2
SPEED (KNTS) DIR.	z	NNE	¥	SK SK		ESE	SE	SSE	8	SSW	SW	WSW	*	WNW	×	NN	VARBL	CALM	

DIRNAVOCEANMET SMOS

0 0.

0

0

0

0

0

0

0

93839 STATION

MEMPHIS, TENNESSEE

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

NOURS (L.S.T.) 73-77 ALL WEATHER MEMPHIS, TENNESSAE NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

CONDITION

MEAN WIND SPEED	1.3	10.5		3.8	3.0	4.	3.6	5.2	6.3	4.7	4.6	5.8	2.0	1.0	4.5	5.0			3.6
*	2.0	1.3		2.7	6.7	5.4	14.1	6.7	4.6	7.4	5.4	5.4	2.7	.7	2.7	7.4		20.1	100.0
% AI																		\bigvee	
48 - 55																		X	
41.47																		\bigvee	
34 · 40																		\bigvee	
28 - 33																		\bigvee	
22 - 27																		\bigvee	
17 - 21		1.																\bigvee	
1 . 16																		\bigvee	1.3
7 - 10						12.	1.3	2.0	2.7	1.3	.1	2.0			1.	2.0		\bigvee	14.1
• •					2.0	3.4	4.7	3.4	4.7	1.3	3.4	2.0			1.3	3.4		X	30.2
::	2.0			1.3	4.7	1.3	8.1	1.3	1.3	4.0	1.3	1.3	2.7	2.	.7	2.0		X	33.6
SPEED (KNTS) DIR.	z	NNE	SK.	ERE		ESE	35	SSE	50	SSW	SW	WSW	*	WNW	N.	NNN	VARBL	CALM	

0

0

0

DIRNAVOCEANMET SMOS

0

0

149

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

CONDITION

ALL WEATHER

09 HOURS (L.S.T.)

NOW THOM

YEARS

73-77

MEMPHISS TENNESSEE

MEAN WIND SPEED	8.6	6.5	8.0	4.5	6.7	4.3	7.3	6.7	8.3	4.6	8.5	10.0	0.0	5.4	5.7	5.4			7.2
*	6.7	0.4	2.7	2.7	4.4	2.7	5.3	9.0	12.0	6.7	18.0	4.7	8.0	3.3	2.0	4.7		0.4	100.0
95 AI																		X	
48 · 55																		X	
41 - 47																		\bigvee	
34 - 40																		\bigvee	
28 - 33																		X	
22 - 22																		\bigvee	
17 - 21									4.	.7	.1							\bigvee	2.0
11 - 16	. 7				••			1.3	2.0	2.0	4.7	2.0	.7					\bigvee	15.3
7 - 10	5.3	2.0	1.3		2.0		2.7		4.7	2.7	7.3	2.7	3.3	1.3	. 7	1.3		\bigvee	39.3
4.6	. 7	2.0	1.	2.1	.,	1.3	1.3	2.0	3.3	.7	0.4		2.7	.7	1.3	3.3		\bigvee	27.3
1.3					1.3	1.3		1.8	E . 1	.,	1.3		1,3	1.3				\bigvee	12.0
SPEED (KNTS) DIR.	z	NNE	NE	ENE	F	ESE	SE	SSE	S	SSW	SW	WSW	*	WNW	NW	NNW	VARBL	CALM	

0

0

0

0

DIRNAVOCEANMET SMOS

150

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

111

WEATHER ALL

MEMPHIS, TENNESSEE STATION MANE

93839

73-77

SPEED (KNTS) DIR.	1.3	9.7	01 - 7	11 - 16	12 . 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	% AI	*	MEAN WIND SPEED
z	1.3	1.3	1.	2.7								6.9	7.8
N.		1.3	.7	2.0								4.7	8.0
¥			1.3									3,3	5.8
ER	.7	.7	2.0	.,								4.0	7.5
		2.7	1.3									4.0	5.7
ESE		2.7	2.0									4.7	9.9
35		2.1	.7	.7								0.4	7.0
SSE		2.0		2.0								4.0	9.2
•	1.3	.1	3.3	4.0	4.			6				10.0	10.3
SSW		2.0	2.7	2.0								6.7	9.6
SW		.7	0.4	7.3	1.3							13.3	11.7
WSW			5.3	3.3								6.9	9.6
*		2.7	4.7	2.0								10.0	8.1
WWW		.7	2.0	1.3								4.0	0.6
M	2.0	1.3	1.3	.7								5.3	5.4
NNN	.7		2.7									3.3	7.6
VARBL													
CALM	\bigvee	3.3											
	8.0	23.3	7.46	7.82	2.0							100.0	8.3

0

0

0

8

1

0

and the state of

150

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF WIND

SURFACE WINDS

DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

WEATHER CONDITION ALL MEMPHIS, TENNESSEE

73-77

15 HOURS (L.S.T.)

SIE

MEAN WIND SPEED	6.3	9.6	6.2	0.9	4.9	5.9	0.9	8.7	4.4	9.8	10.2	11.4	7.5	5.5	6.3	8.0			8.4
*	2.7	4.7	3.4	3.4	4.7	0.9	2.0	6.7	8.7	13.4	12.8	8.7	7.4	0.4	2.7	3.4		1.3	100.0
% AI																		X	
48 - 55																		\bigvee	
41.4																		\bigvee	
34 . 40																		\bigvee	
28 - 33																		\bigvee	
22 - 27																		\bigvee	
17 . 21										4.		4.						\bigvee	1.3
11 . 16		2.0	.,		1.3	1.3		1.3	3.4	6.7	6.7	4.7	1.3			1.3		\bigvee	30.9
7.10	1.3	2.0		1.3	1.3		1.3	3.4	0.4	1.3	4.7	3.4	3.4	1.3	2.0	2.0		\bigvee	34.2
9:+	.,		1.3	1.3	2.0	2.0		2.0	1.	0.4	.1		2.0	1.3	1.	0.4		\bigvee	22.8
	. 7			•		2.0								1.3				\bigvee	4.6
SPEED (KNTS) DIR.	z	N N	ž	F	w	ESE	35	SSE	•	SSW	WS	WSW	*	WNW	WW	ANN	VARBL	CALM	

DIRNAVOCEANMET SMOS

TOTAL NUMBER OF OBSERVATIONS

93839 STATION

SURFACE W					
PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)	73-77	YEARS	ALL WEATHER	CLASS	HOLENACO
NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC DIREC (FROM HO	MEMPHISS TERNESSEE	STATION NAME	AL		
NAV					

18 NOURS (L.S.T.)

MEAN WIND SPEED	0.9	5.6	8.0	5.6	5.8	5.6	6.8	6.1	10.8	8.3	8.3	7.3	5.5	4.8	7.2	6.3			6.9
×	4.7	6.7	3.3	0.9	5.3	4.7	8.7	7.3	10.7	6.7	12.0	4.7	6.3	2.7	3.3	2.0		2.0	100.0
>58																		X	
48 - 55											0							\bigvee	
41.47																		\bigvee	
34 . 45												1						\bigvee	
28 · 33																		\bigvee	
22 - 22																		\bigvee	
17.21									4.									\bigvee	.7
2 · 10			4.	2.			L.		4.0		1.3	4.	4.					\bigvee	8.7
7 - 10	2.0	2.0	1.3	L.	2.0	.1	0.4	2.7	4.7	5.3	6.7	2.7	2.7	.7	2.0	1.3		\bigvee	41.3
4.6	2.7	3,3	1.3	2.7	2.7	4.0	3.3	3.3	1.3	1.3	4.0	.7	3.3	• 7	1.3	. 7		\bigvee	36.7
1.3		1.3		2.0	2.		.1	1.3				.7	2.7	1.3				\bigvee	10.7
SPEED (KNTS) DIR.	z	NNE	a N	ENE		ESE	SE	SSE	8	SSW	SW	WSW	*	WWW	NW	NNW	VARBL	CALM	

DIRNAVOCEANMET SMOS

150

TOTAL NUMBER OF OBSERVATIONS

93839 STATION

0

01

0. 0-

PERCENTAGE FREQUENCY OF WIND (FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

73-77

MEMPHIS, TENNESSEE

93839 STATION

0

YEARS

ALL WEATHER

21

NONTH

CONDITION

MEAN WIND SPEED	2.7 2.8	8.1 4.8	4.0 3.7	5.4 4.1	6.7 3.5		8.1 4.8		9.4 5.8	10.7 4.4	4.7 3.9	2.0 2.7	4.0 2.2	1.3 7.0	.7 3,0	1.3 1.0		15.4
%																		X
48 - 55																		X
41 - 47																		\setminus
34 - 40																		\setminus
28 · 33																		X
22 - 27																		X
17 . 21																		X
11 - 16								•										X
7 . 10				1.3			2.7	0.4	2.0	1.3								X
• ;		0.4	2.0		3.4		2.0	0.0	0.9	6.7	3.6			. 7				X
1.3	2.0	3.4	2.0	3.4	3.4	3.4	3.4		1.3	2.7	1.3	1.3	3.4			1.3		X
KNTS)	z	W.Z	W Z	ENE	E	ESE	SE	SSE	s	SSW	NS.	WSW	*	WNW	¥	NNN	/ARBL	CALM

0

0

TOTAL NUMBER OF OBSERVATIONS

149

DIRNAVOCEANMET SMOS

MEAN WIND SPEED

7.0 5.8 5.1

4.6

4.8

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

ALL WEATHER

73-77

MEMPHIS, TENNESSEE

93839 STATION

YEARS

ALL HOURS (L.S.T.)

NO STAN

CONDITION

*	4.	*	2.	3.4	9	4.	7.	7.	10.	7.	9.	5.	5.	2.	2.	3.6		12.3	100.0
X X																		X	
48 - 55																		\bigvee	
41.47																		\bigvee	
34 - 40																		\bigvee	
28 - 33																		\bigvee	
n. n																		\bigvee	
17 - 21		.2							6.	20	• 3	1.						\bigvee	6.
1 . 16	.5	.7	.3	.2	6.	.2		æ.	1.9	1.5	2.5	1.3	.7	.2	1.	.2		\bigvee	11.4
7 - 10	1.3	1.0	9.		1.3	6.	1.0	2.3	3.0	2.0	3.1	2.2	1.8	9.	9.	1.3		\bigvee	7.46
•	1.3	1.4	1.1	1.3	5.4	1.9	2.3	2.7	3.8	2.4	2.6	9.	1.6	9.	6.	1.7		\bigvee	28.7
::	1.7	6.	.5	1.3	2.7	1.9	3.1	1.3	1.2	1.5	1.2	6.	1.7	69	6.	.7		X	22.1
SPEED (KNTS) DIR.	z	ZZ	NE NE	ENE		ESE	35	SSE		SSW	NS.	WSW	*	WNW	W	NNN	VARBL	CALM	

7.8 7.2 7.9 7.9 5.0 5.0

1196

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS)

73-77 WEATHER MEMPHIS, TENNESSEE

HOURE (L.S.T.)

MEAN WIND SPEED	2.0	3.0	4.9	2.8	3.8	5.9	3.8	3.3	5.0	3.3	2.2	0.4	1.0	4.0		2.6			2.4
*	9.	2.6	5.8	2.6	11.0	4.5	6.1	6.9	9.7	4.5	3.2	9.	9.	9.		3.2		34.2	100.0
% AI																		X	
8 . 55																		X	
41.4																		\bigvee	
34 . 40																		\bigvee	
28 · 33																		\bigvee	
2.2																		\bigvee	
17 - 21																		\bigvee	
91 . 19			9.		9.													X	1.3
7 - 10					•	•	1.3		5.7									X	4.5
•		9.	3.6	9.	5.6		3.5	3.2	5.2	2.6	0.	0.		0.		0.		X	24.5
	9.	5.1	1.3	1.9	7.1	3.9	5.5	3.8	5.6	1.9	5.6		9.			5.6		X	35.5
SPEED (KNTS) DIR.	z	NN.	¥	FRE	3	ESE	35	386	•	SSW	SW	WSW	*	WWW	NN	NNW	VARBL	CALM	

0

SMOS DIRNAVOCEANMET

155

TOTAL NUMBER OF OBSERVATIONS

93839 STATION

03 NOURS (L.S.T.)

YEARS

ALL WEATHER

COMDITION

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND (FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED 73-77 MEMPIIS, TENNESSEE

SPEED (KNTS) DIR.	1.3	• •	7 . 10	11 . 16	17 - 21	22 - 27	28 - 33	34 - 40	41.4	48 - 55	7 28	×	MEAN WIND SPEED
z	4.5	9.										5.2	2.1
NNE	2.6	9.										3.2	2.4
NE NE	9.	••	9.									6.1	4.7
ENE	2.6	1.3	9.									5.4	3.7
3	5.8	9.	9.									7.1	2.7
ESE	5.4	5.€										8.4	3.5
SE	1.9	1.9										3.9	3.2
SSE	3.9	3.2										7.1	3.6
	1,3	5.2		9.								1.1	8.4
SSW	1,3	1.9	9.									6.€	4.2
SW	1,3	2.6										3.9	3.5
WSW	9.											9.	1.0
*	1,3		9.									1.9	3,3
WWW	9.		• 6									E • 1	0.4
MW	9.											9.	1.0
NNW	9.											9.	2.0
VARBL													
CALM	\bigvee	38.7											
	34.2	22.6	3.9	9.								100.0	2.1

DIRNAVOCEANMET SMOS

155

TOTAL NUMBER OF OBSERVATIONS

0

0

0

0

0

3,3 4.6

2.6

3.4

7.1 6.5 7.7

2.9

E

3,3 4,2 5,3

10.3 8.4 1.9

9.

9.

.

0

9.

0

7.

NW NAW VARBL

CALM

NN K

WSW

2.5

4.7 4.4

1.9 3.2

MEAN WIND SPEED

*

48 - 55

41 . 47

34 - 40

28 - 33

22 - 27

17 - 21

11 . 16

7 - 10

4.6

1.3

SPEED (KNTS) DIR.

• 0

0

2.6

1.3 1.3

> 1.9 1.3

> > ESE SSE

w

•

1.3

.

2.6

SSW

•

S.

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

90

SURFACE WINDS

73-77 ALL WEATHER

06 HOURS (LS.T.)

JUL MONTH

CONDITION

12

TOTAL NUMBER OF OBSERVATIONS

155

2.6

10000

32.9

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

MEMPHISS TERNESSEE STATION MANE

68866

0

0

0

0

NE NE NE

0

0

1.3

7.1

21.3

37.4

250

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER

09 HOURS (L.S.T.)

COMBITION

(KNTS) 1 · 3 DIR.	*	7 - 10	1. 16	17 - 21	22 - 27	28 · 33	34 - 40	41.47	48 - 55	% AI	*	MEAN WIND SPEED
1.	69 1.3	1.9									5.2	4.9
NNE 1.	3		1.3								3.2	7.0
•	9.5 9.6	1.3									4.5	3.6
1.	.3 .6										1.9	3.3
1.	9. 6.	2.0	1.3								6.5	7.0
•	6 3.9	9.									5.2	3.4
•	0. 0.	9.									1.9	5.7
3.	2										6.5	3.8
3,	.2 3.9	2	9.								10.3	5.4
•	9.6	3.9									8.4	6.3
•	9.9	1.9									6.5	5.8
2.6	6.1.9	3.2	•								8.4	9.6
5.8	8 6.3	3.8	1.3								16.3	5.4
www 1.	.9 1.3	••									3.9	3.8
•	9. 9	1.9									3.2	0.0
1.	.3										1.3	2.0
VARBL												
X	\bigvee	X	X	X	X	\bigvee	\bigvee	X	X	\bigvee	6.5	
28.4	94.8	25.2	5.2								100.0	8.1

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

SEEDHISS TENNESSEE

93839

0

0

0

0

0

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS) 73-77 MEMPHIS, TENNESSEE

ALL MEATHER

CONDITION

12 HOURS (L.S.T.)

1

MEAN WIND SPEED	5.4	5.3	6.3	5.0	6.7	8.9	6.3	5.2	4.8	7.7	7.8	6.1	4.8	5.4	5.3	6.3			5.5
*	6.9	5.8	3.9	5.00	5.3	3.2	1.9	20.00	7.7	3.8	7.7	7.1	11.0	7.1	7.1	2.6		5.2	100.0
8																		X	
48 - 55																		X	
4 . 4																		X	
34 - 40																		X	
28 - 33																		\bigvee	
12 - 27																		\bigvee	
17 - 21																		X	
91 . 11	9.		•			9.				•	1.3							X	3.9
7 . 10	1.9	1.9	•	1.3	3.5		0.	1.9	1.9	3.6	3.2	3.2	1.3	1.9	1.9	1.3		X	29.7
:	1.9	2.6	1.9	4.1	1.3	2.0	1.5	1.9	3.0	4.5	2.6	5.1	7.1	2.6	2.6	9.		X	38.1
÷:	1.9	1.3	9.	5.6	1.3			1.9	1.9	•	9.	1.9	5.6	2.6	5.6	9.		X	23.2
SPEED (KNTS) DIR.	z	N.	¥	ENE		ESE	35	SSE	•	SSW	NS.	WSW	*	WWW	×	NNW	VARBL	CALM	

DIRNAVOCEANMET SMOS

0

155

TOTAL NUMBER OF OBSERVATIONS

===

15 HOURS (L.S.T.)

YEARS

73-77

ALL WEATHER

CONDITION

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

5.3 6.4 4.4 0 0 0 6.1 6.1 MEAN WIND SPEED 3.0 3.2 8.4 7.7 8.4 5.2 100.0 18 48 - 55 41 . 47 34 - 40 28 - 33 22 - 27 • 9. 17 - 21 1.9 9.2 9. 1.3 4.4 • 11 - 16 32.9 2.6 4.5 2.6 2.6 1.3 3.2 1.3 7 - 10 28.4 1.9 2.0 1.3 2.6 . .6 1.9 . 1.3 3. 1.3 0. 1.00 23.2 1.9 9. 2.6 -: NW W SPEED (KNTS) DIR. VARBL ¥ = X WSW WSW SSW CALM 2 2 2 •

DIRNAVOCEANMET SMOS

155

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

0

0

93839 STATION

MEMPHIS, TENNESSEE

0

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER

MEMPHIS, TENNESSEE

93839 STATION

0

0

0

CONDITION

1.8 HOURS (L.S.T.)

JUL HONTH

YEARS

WEAN WIND SPEED	0.4	7.4	5.1	3.9	7.2	6.8	9.9	5.5	6.1	5.7	5.2	6.3	5.2	3.0	0.9	4.0			5.4
*	5.2	7.1	7.1	6.5	5.8	6.€	4.5	6.9	0.6	4.6	7.1	8.4	5,8	3.9	9.5	9.5		4.5	100.0
95 AI																		\bigvee	
8 . 55																		\bigvee	
4 - 4																		\bigvee	
34 - 40																		\bigvee	
28 · 33																		\bigvee	
22 · 27																		\bigvee	
17 - 21			9.															\bigvee	9.
11 - 16		1.3			•	••	9.		9.			9.						\bigvee	4.5
7 - 10	••	3.2		•	2.6	9.	1.3	1.3	1.9	3.2	6.1	3.6	6.1		1.3			\bigvee	23.2
*:	1.9	6.1	4.5	1.9	1.9	5.6	6.1	6 €	5.4	2.5	₹.€	9.4	9.5	1.3	9.	1.9		\bigvee	6.44
1.3	2.6	9.	1.9	3.9	9.		9.	1,3	1.9	1.3	6.1	9.	1.3	2.6	9.	9.		\bigvee	22.6
SPEED (KNTS) DIR.	z	ZNZ	a Z	ENE		353	SE	388	8	WSS	SW	WSW	*	WNW	NW	NNW	VARBL	CALM	

0

0

155

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER MEMPHIS, TENNESSEE

21 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1.3	4.6	01 - 7	91 - 11	12 . 71	22 - 27	28 - 33	34 - 40	41 - 47	8 . 35	95 Al	×	MEAN WIND SPEED
z	9.				9.							1.3	10.5
NNE	3.9	9.										4.5	5.9
NE	3.9	1.3										5.2	3.0
ENE	3.9	1.9	1.3									7.1	4.2
E	5.9	2.6	1.3									10.3	3.6
ESE	2.6	1.3	1.3									5.2	4.8
SE	5.2	2.0										7.7	3.5
SSE	5.8	5.2	6.1									12.3	4.1
8	1.9	3.9	3.2									0.6	5.8
SSW	2.6	3.2										5.8	4.0
SW	1:9	2.6										4.5	3.4
WSW		1.3	9.									1.9	0.9
*	1.9	9.										5.6	2.8
WNW	1,3											1.3	7.0
NX	2.6											2.6	1.5
NNW	9.											9.	0.1
VARBL													
CALM	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	X	\bigvee	\bigvee	X	X	X	18.1	
	45.2	27.1	0.6		9.							100.0	3,3

DIRNAVOCEANMET SMOS

TOTAL NUMBER OF OBSERVATIONS

93839 STATION

SURFACE WINDS JAN

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

SURFACE WINDS

(FROM HOURLY OBSERVATIONS)

73-77

MEMPHIS, TENNESSEE

ALL WEATHER

ALL HOURS (L.S.T.)

T SE

CONDITION

17 - 21 22 - 27	11 . 16 17 . 21	11 . 16 17 . 21	11 . 16 17 . 21
	3 .1 .1	.8 .1 .1	1.4 .8 .1 .1
	4. 0	1.0	•
7.	5 .2 .1		
		80.	
	9 .5 .1	1.9	•
2	4 .2	**	
	1.	1.0	
	000	8.	2.9 .8
2	6.	6.1	•
- 7	3 .2	6.1	6.1
,	9.	1.5	
2	2.	1.5	1.5
04	2.	1.2	
C.	5 .2	.5 .2	•
	1. 6	. 0.	. 6. 6.
		**	4. 6.
	3.3		3.3

DIRNAVOCEANMET SMOS

=

1240

TOTAL NUMBER OF OBSERVATIONS

0 40

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

0

0

0

2

00 HOURS (L.S.T.)

AUG

YEARS

73-77

MEMPHIS, TENNESSEE STATION MANE

ALL MEATHER

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

1
1
1
1
1
1
1
1
1
1
1
1
1
1
1
1
1
1
1
1
1

MEAN WIND SPEED	3.4	3.8	4.3	4.4	2.8	3.4	3.0	4.3	5.8	6.0	5.3			2.0	4.0	1.0			3.0
*	5.8	7.1	7.7	4.5	11.6	7.1	11.0	10.3	5.2	1.3	3.9			9.	9.	9.		55.6	0.001
% AI																		\bigvee	
48 . 55																		\bigvee	
41.4																		\bigvee	
34 - 46																		\bigvee	
28 - 33																		\bigvee	
22 - 27																		\bigvee	
17 . 21																		\bigvee	
5.																		\bigvee	4
7 - 10	0.		9.	1.3	9.			1.9	1.9	9.	1.3							X	0.6
• •	1.9	3.9	5.2	1.3	1.3	4.5	5.2	3.9	2.6	9.	1.9				9.			\bigvee	32.9
1:3	3.2	3.2	1.9	1.9	6.4	2.6	5.8	4.5	9.		9.			9.		9.		X	35.5
SPEED (KNTS) DIR.	z	N.	¥	EN EN		ESE	35	356	•	SSW	SW	WSW	*	WWW	WM	MNN	VARBL	CALM	

0 = 0

3

3

35

155

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

0

0

0 0

0

0

0

0

0

93839 STATION

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 000	
ALL WEATHER	
CLASS	
COMPLETION	

MEAN WIND SPEED	3.0	5.0	4.4	2.4	2.6	3.3	2.4	4.3	0.9	4.9	6.5	2.0	2.0		1.5	3.5			
*	5.2	1.9	4.5	6.9	11.0	8.4	0.6	0.6	6.5	3.2	1.3	9.	1.3		1.3	3.9		56.5	
%							,											X	
48 - 55																		\bigvee	
41 - 47																		\bigvee	
4 . 4																		\bigvee	
28 · 33																		\bigvee	
2.2																		\bigvee	
17 - 21																		\bigvee	
																		\bigvee	
7 - 10	0.	•	1.3		9.	0.		1.3	1.9	1.3	9.							X	
• •	9.	9.	1.9	4.3	4.3	1.9	1.3	4.5	3.2	1.9	0.					1.9		X	
.:	3.9	9.	1.3	5.2	0.6	8.8	7.7	3.2	1.3			9.	1.3		1.3	1.9		X	
SPEED (KNTS) DIR.	z	N.	¥	E E		ESE	35	SSE	•	SSW	SW	WSW	*	WWW	¥	NNW	VARBL	CALM	

0

0

1

0

0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

(FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER MEMPHIS, TENNESSEE

93839 MATOR

0

00 HOURS (L.E.T.)

MEAN WIND SPEED	6.4	5.6	4.2	2.8	2.7	2.5	3.4	3.8	4.5	4.3	5.0	3.0	3,2	3.0	2.0	10.0			2.6
*	4.5	4.5	3.2	2.6	8 . 41	6.5	6.9	4.8	7.1	6.€	1.3	9.	3.2	1.3	9.	1.3		1.62	100.0
8 8 8																		\bigvee	
40 . 55																		\bigvee	
41 - 47																		\bigvee	
34 - 40		167																\bigvee	
28 - 33																		\bigvee	
12 - 22																		\bigvee	
17 - 21																		\bigvee	
11 . 16								9.								9.		\bigvee	1.3
7 - 10	1.3	1.9	1.3		9.				1.3	9.	9.							\bigvee	7.7
• • •	9.	1.3		9.	3.9	0.	2.0	2.0	2.0	1.9			1,3	0.		9.		\bigvee	19.4
1.3	2.6	1.3	1.9	1.9	10.3	5.8	3.9	5.2	3.2	1,3	9.	0.	1.9	9.	9.			\bigvee	41.9
SPEED (KNTS) DIR.	z	N.	ž	ENE		ESE	38	SSE	•	SSW	SW	WSW	*	WNW	WW	MNN	VARBL	CALM	

3

0

0

= 0

155

TOTAL NUMBER OF OBSERVATIONS

SMOS DIRNAVOCEANMET

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

AUG	MONTH	60	NOURS (L.S.T.)	
73-17	YEARS	ALL WEATHER	CIVSS	COMBITION
TENNESSEE	STATION NAME			
MEMPHIS, TENN				

MEAN WIND SPEED	5.9	8.0	7.3	5.8	4.1	3.8	6.3	6.5	5.9	6.5	7.7	0.9	4.5	4.0		2.5			
*	5.2	3.9	4.5	3.9	10.3	3.2	5.2	7.1	11.6	11.6	10.3	6.5	5.2	9.		5.2		5.3	
%																		\bigvee	
8 . 55																		\bigvee	
41 . 47																		\bigvee	
34 . 46																		\bigvee	
28 - 33																		\bigvee	
22 - 27																		\bigvee	
17 - 21																		X	
91 . 11	9.						9.		1.3	1.3	0.							X	
7 . 10	1.3	2.6	2.6	1.3	1.3		1.3	3.9	3.6	3.2	5.5	2.6	1.3					X	
• •	1.9	6.5	1.9	1.9	5.2	1.9	1.9	3.6	5.6	5.2	3.9	3.2	1.9	9.		1.3		X	
	1.3			0.	3.9	1.3	1.3	9.	1.9	1.9	9.	•	1.9			3.9		X	-
SPEED (KNTS) DIR.	z	W.	Z	Z	-	ESE	**	SSE	•	SSW	S.	WSW	*	WWW	*	NN	VARBL	CALM	

0

0

0

0

0

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93839

essi O

155

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS JAN 78 5702

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2

SURFACE WINDS

YEARS 73-77

HEMPHISS TENNESSEE

93839

CONDITION

ALL WEATHER

WIND SPEED	4.3	7.7	7.5	6.1	3.8	3.0	5.9	8.9	7.1	8.3	8.3	8.7	3.6	4.0	3.3	8.1			4.0
*	4.5	5.8	7.1	5.2	3.9	3.2	4.5	2.6	11.0	7.1	11.6	7.7	0.6	4.5	2.6	8.4		1.3	100.0
% %																		\bigvee	
48 - 55																		\bigvee	
41 - 47																		\bigvee	
34 - 40																		\bigvee	
28 - 33																		\bigvee	
n · n																		\bigvee	
17 - 21																		\bigvee	
11 - 16		1.3	1.3	9.			9.		1.3	9.	1.3	1.9				2.6		\bigvee	11.6
7 - 10		1.9	2.6	1.3	9.		9.	1.0	4.5	4.5	6.0	4.5		9.		2.6		\bigvee	32.3
4.6	3.2	2.6	2.6			-	1	9.	4.3	6	3.2	9.	5.2	2.6	9.	2.6		\bigvee	36.8
1.3	1.3		9.	1.3	2.6	6.1	9.		9.		9.	9.	3.9	1.3	1.9	c		\bigvee	18.1
SPEED (KNTS) DIR.	z	Z	¥	ENE	-	ESE	*	SSE	•	WSS	35	WSW	*	WNW	××	NNN	VARBL	CALM	

0

0

0

0

0

0

0

E

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

0

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

15 NOURS (1.5.T.) YEARS (FROM HOURLY OBSERVATIONS) 73-77 ALL WEATHER MEMPHIS, TENNESSEE NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

AUG

MEAN WIND SPEED					5.6					8.2		7.9			5.8				6.9
*	11.6	12.3	5.8	4.5	1.1	2.6	5.2	5.8	9.7	7.1	5.2	7.7	5.8	2.6	2.6	3.2		9.	100.0
8																		\bigvee	
48 - 55																		X	
41.4																	4	\bigvee	
3. 5																		\bigvee	
28 - 33																		\bigvee	
22 - 27																		\bigvee	
17 - 21																		\bigvee	
11 . 16	1.9	1.3	1.3			9.		9.	4.5	1.9		1.9	•					\bigvee	14.8
7 . 10	3.9	6.5	1.3	3.6	2.6	0.	1.3	1.3	5.6	2.0	3.2	2.0	1.3	•	9.	1.3		X	35.5
•	3.9	2.6	5	9.	3.9	1.3	3.6	3.9	2.0	3	6.1	1.9	1.9	.3	1.9	1.3		X	36.1
:	1.9	1.9	1.3	0.	1.3		9.			0.		1.3	1.9	9.		9.		X	12.9
SPEED (KNTS) DIR.	z	Z.	¥	ER		ESE	35	SSE	s	SSW	AS.	WSW	*	WNW	W	NNW	VARBL	CALM	

0

0

155

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93839

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-17 WEATHER CONDITION ALL TEMPTIS TENNESSEE

18 HOURS (L.S.T.)

AUG

MEAN WIND SPEED	5.6	5.4	3.8	3.4	4.2	5.2	5.6	7.9	7.3	9.4	6.9	5.0	2.0	3.8	2.7	4.5			5.1
*	13.5	0.6	12.3	6.9	8.8	3.2	3.2	5.2	10.3	5.5	1.4	6.9	6.1	2.6	1.9	9.2		3.2	100.0
% AI																		\bigvee	
48 - 55																		\bigvee	
41 - 47																		\bigvee	
34 - 40																		\bigvee	
28 - 33																		\bigvee	
22 - 27																		\bigvee	
17 - 21																		\bigvee	
91 - 11	9.							9.										\bigvee	1.3
01 - 2	4.5	3.2	1.3		9.	1.3	9.	2.6	6.5	1.3	3.9	1.3						\bigvee	27.1
9.7	6.9	2.6	2.8	3.2	2.6	0.	T	1.9	6.€	3.6	3.8	4.5		6 1	9.	9.5		\bigvee	42.0
1.3	3.9	3.2	5.8	3.2	2.6	1.3	9.			9.		9.	1.9	9.	1.3			\bigvee	25,8
SPEED (KNTS) DIR.	z	N.	Z.	ENE	3	ESE	38	SSE	8	SSW	SW	WSW	*	WNW	NW	NNW	VARBL	CALM	

0

0

0

0

DIRNAVOCEANMET SMOS

155

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER CONDITION MEMPHIS, TENNESSEE

YEARS

21 HOURS (L.S.T.)

MEAN WIND SPEED	4.0	4.6	4.9	3.0	3.1	4.1	3.6	4.3	5.4	6.3	6.3	4.0	0.9	1.5	1.7	3,2			3.2
*	3.2	11.0	5.8	5.2	12.9	5.2	11.0	10.3	4.5	1.9	1.9	9.	9.	1.3	1.9	3.8		19.4	100.0
N 56																		X	
48 - 55																		X	
41.4																		\bigvee	
34 - 40																		\bigvee	
28 - 33																		\bigvee	
22 - 27																		\bigvee	
17 - 21																		X	
51 . 15											9.							X	9.
7 . 10	•	5.6	9.	9.	•	9.		1.3	1.9							9.		X	9.7
•	1.3	4.5	4.5	1.3	3.6	3.6	5.5	5.8	1.9	1.3	9.	9.	9.			9.		X	34.8
1.3	1,3	3.9	9.	3.2	0.6	1.3	5.8	3.2	9.	9.	9.			1.3	1.9	1.9		X	35.5
SPEED (KNTS) DIR.	z	NN	av.	ENE	3	ESE	SE	SSE	8	SSW	SW	WSW	*	WNW	WW	NNW	VARBL	CALM	

0

DIRNAVOCEANMET SMOS

155

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

MEMPHIS, TENNESSEE

93839

WEATHER

ALL

YEARS

ALL HOURS (LS.T.)

CONDITION

17 - 21

11 . 16

7.10

4.6

- 3

(KNTS)

.

1.0

1.0

32037

1.6

2.4

ZZ Z Z

z

MEAN WIND SPEED	5.2	5.9	5.2	4.3	3.4	3.7	0.4	5.1	9.9	6.0	7.3	8.9		3.7	3.2	5.2		4.4
*	6.7	6.9	4.0	4.8	9.8	6.4	6.9	7.3	8.2	5.2	5.3	3.8	3.4	1.7	1.5	3.5	13.6	100.0
95 Al																	X	
48 - 55																	X	
41 - 47																	X	
34 - 40																	X	
28 - 33																	X	
																	V	

20.

30

.

6. 3.0 3.2 3.4

2 2 2

1 . 8 2.9 1.8

2.7

. 9 7.4

1.4

9.

*

9.

WSW WSW

SSW

TOTAL NUMBER OF OBSERVATIONS

1240

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

0

0

1

10

0

0

0

WW.

VARBL NN.

CALM

4.

•

4.3

19.9

33.1

29.1

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS)

SEP	MONTH	00	HOURS (L.S.T.)	
73-77	YEARS	ALL WEATHER	SEYTO	сомытюм
TENNESSEE	STATION NAME			
MEMPHIS, TENNES				

MEAN WIND SPEED	5.2	4.9	4.2	3.7	5.9	4.8	2.8	3.8	0.0	4.3		4.0	0.4	3,3		4.2			5.9
*	8.7	0.9	0.8	0.0	12.0	3.3	0.4	0.8	4.7	2.0		1.3	4.6	2.0		E E		30.0	100.0
2 56																		\bigvee	
48 - 55																		\bigvee	
4.14																		\bigvee	
34 - 40																		\bigvee	
28 - 33																		\bigvee	
12 - 27																		\bigvee	
17 - 21																		\bigvee	
11 . 16	1.3																	\bigvee	1.3
7 . 10	.7	1,3	1.3			1.3		1.3	2.0					.7				\bigvee	8.7
9.7	2.7	3,3	3,3	3.3	0.4			2.7	2.7	2.0		. 1				2.0		\bigvee	28.7
1.3	4.0	1,3	3,3	2.7	8.0	1.3	3,3	0.4						1.3		1.3		X	31.3
SPEED (KNTS) DIR.	z	NN	¥ X	E E		ESE	25	SSE	s	SSW	NS.	WSW	*	WWW	WW	MNM	VARBL	CALM	

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93839 STATION

0

0

0

0

150

TOTAL NUMBER OF OBSERVATIONS

0

and the state of

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER COMDITION MEMPHIS, TENNESSEE

HOURS (L.S.T.)

SEP

MEAN WIND SPEED	4.8	5.2	4.5	3.6	3.2	3.1	3.4	3,1	5.7	3.6	5.5	3.0		3.0	4.2	2.8			2.9
*	8.0	6.7	0.4	6.7	13.3	8.0	5.3	4.7	4.7	3.3	1.3	6.		1.3	3.3	5.3		23.3	100.0
%																		\bigvee	
48 - 55																		\bigvee	
41 . 47																		\bigvee	
34 . 40																		\bigvee	
28 - 33																		\bigvee	
22 - 27																		\bigvee	
17 - 21																		\bigvee	
91 . 16																		\bigvee	.7
7 - 10	2.0	1.3	. 7			. 7	.7		2.0		1.				.7			X	6.3
• •	1.3	0.4	2.0	2.7	4.7	2.7		1.3	4.3	1.3						4.3		X	24.7
1:3	4.0	1.3	1.3	3.3	8.7	4.7	4.0	3.3	1.3	2.0					2.0	0.4		X	45.0
SPEED (KNTS) DIR.	z	NN.	Z	ENE		ESE	25	SSE	•	SSW	SW	WSW	*	WWW	¥	NNN	VARBL	CALM	

SMOS DIRNAVOCEANMET

93839 STATION

0

0

0

0

0

0

150

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77

MEMPHIS, TENNESSEE STATION MARKE

93839 STATION

YEARS

06 HOURS (L.S.T.)

SEP

CONDITION

ALL MEATHER

MEAN WIND SPEED	9.6	4.5	6.7	4.8	2.5	5.9	0.4	3.3	0.9	7.0		4.0	2.0	2.0	5.5	4.3			3.1
×	10.0	7.3	2.0	0.9	16.0	6.7	2.9	5,3	5.3	.,		0.5	4.	1.3	1.3	4.7		24.0	100.0
95 AI																		\bigvee	
48 - 55																		\bigvee	
41.47																		\bigvee	
34 - 40																		\bigvee	
28 - 33																		\bigvee	
22 - 27																		\bigvee	
17 - 21																		\bigvee	
11 - 16	1.3	.,														.7		\bigvee	2.7
7 . 10	1.3		. 7	1.3			.7		2.0	.7					1.			\bigvee	0.8
4.6	0.4	0.4	1.3	0.4	3.3	2.0	2.7	2.0	2.7			1.3						\bigvee	27.3
- · · · · ·	3,3	2.7			1.2.7	4.7	3.3	3,3	.,					1.3	. 7	3.3		\bigvee	38.0
SPEED (KNTS) DIR.	z	ZZ.	¥	ENE		ESE	SE	SSE	s	SSW	NS.	WSW	*	WNW	W	WNW	VARBL	CALM	

1

150

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FRCM HOURLY OBSERVATIONS)

YEARS 73-77 ALL WEATHER COMBITION MEMPHIS, TENNESSEE

NOURS (L.S.T.)

SEP

MEAN WIND SPEED	7.7	5.6	6.8	5.3	5.5	5.5	5.5	6.4	6.5	0.9	0.6	5.5	5.7	4.6	4.0	6.3			5.6
×	12.0	6.7	0.4	6.3	11.3	7.3	7.3	8.7	8.7	6.6	1.3	1.3	2.0	4.7	1.3	2.7		4.7	100.0
% AI																		\bigvee	
48 - 55																		\bigvee	
41.4																		\bigvee	
34 - 40																		\bigvee	
28 - 33																		\bigvee	
22 - 27																		\bigvee	
17 - 21																		\bigvee	
11 - 16	2.7	.7	.7				. 7		1.3	1.3	.7							\bigvee	8.0
7 - 10	4.7	2.0	.7	1.3	3.3	2.0	2.0	2.0	8.0	1.3						.7		\bigvee	23.3
4.6	3.3	1.3		0.4		0.4	1.3	0.4	0.4	0.4	*	1.3	1.3	2.0	. 7	2.0		\bigvee	39.3
1.3	1.3	2.7	2.7	1.3	2.7	1.3	3.3	2.7	1.3	2.7				2.0	.7			X	24.7
SPEED (KNTS) DIR.	z	N N	¥	E.	-	ESE	35	SSE	~	SSW	AS.	WSW	*	WWW	¥	NNN	VARBL	CALM	

0

0

0

DIRNAVOCEANMET SMOS

150

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

SURFACE WINDS JAN 78 5702

SURFACE WINDS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) 73-77 MEMPHIS, TENNESSEE STATION MANE 12 HOURS (L.S.T.)

SEP

YEARS

ALL WEATHER

CONDITION

MEAN WIND SPEED	7.6	5.8	6.9	4.7	5.0	8.0	6.9	8.6	5.3	0.6	8.9	0.9	0.9	7.7	5.0	7.0			6.7
×	11.3	7.3	6.9	0.9	7.3	5.3	6.7	0.9	0.8	6.7	7.3	2.7	2.7	2.0	3.3	0.9		2.0	100.0
% %																		\bigvee	
48 - 55																		\bigvee	
41.47																		\bigvee	
34 - 40																		\bigvee	
28 - 33																		\bigvee	
22 - 27																		\bigvee	
17 . 21										. 7								\bigvee	. 7
. I	2.7	2.0				.7		1.3		1.3	2.7					۲.		\bigvee	12.0
7 . 10	5.3	. 7	3.3	2.0	2.0	2.7	3.3	3.3	3,3	1.3	2.7	.7	1.	1.3	1.3	2.7		\bigvee	30.7
9:	1.	1.3	0.4	2.0	3.3	2.0	2.7	.7	2.0	2.7	2.0	2.0	2.0	. 7	.7	1.3		\bigvee	30.0
.:	2.7	3,3	1.3	2.0	2.0				2.1						1.3	1.3		\bigvee	18.7
SPEED (KNTS) DIR.	z	N.	ž	ERE		ESE	35	SSE	•	SSW	SW.	WSW	*	WNW	¥	NNN	VARBL	CALM	

DIRNAVOCEANMET SMOS

150

TOTAL NUMBER OF OBSERVATIONS

0

0

0

0

0

MEAN WIND SPEED

7.8 7.0 7.0 8.5 8.8

4.8 5.3 *

460

4.0

5.0

3.3

SURFACE WINDS

DIRECTION AND SPEED

PERCENTAGE FREQUENCY OF WIND (FROM HOURLY OBSERVATIONS)

73-77

MEATHER

ALL

YEARS

15 HOURS (L.S.T.)

SEP

CONDITION

۸۱ ۶۶																	X	
48 - 55																	\bigvee	
41 - 47																	\bigvee	
34 - 40																	\bigvee	
28 - 33																	\bigvee	
22 · 27																	\bigvee	
17 . 21																	\bigvee	.7
31.16	3.3	1.3	1.3							1.3					.7		\bigvee	6.9
7 . 10	10.7	2.0	2.0	2.0	1.3	2.7	1.3	1.3	0.4	1.3	2.0	2.0		.7	.7	2.0	\bigvee	36.0
4:6	0.9	. 7	3.3	2.7	3.3	2.0	1.3	2.0		1.	1.3	2.0	3.3		1.3	2.0	X	33.3
	1.3	1.3			2.0	1.3	2.7	1.3	1.3	1.3	1.3			. 7	. 1	1.3	\bigvee	0.8

TOTAL NUMBER OF OBSERVATIONS

150

6.2

100.0

2.7

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93839 STATION

MEMPHIS, TENNESSEE

0

0

0

SPEED (KNTS) DIR.

0 0

0

- 2 2 2 2 v

0

WW W

WSW

SSW

NNW VARBL

CALM

A distribution

t

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS)

73-77

MEMPHIS, TENNESSEE

93839 STATION

0

0

0

0

0

CONDITION

ALL WEATHER

18 HOURS (L.S.T.)

SEP

MEAN WIND SPEED	4.7	3.4	3.6	3.5	3.3	4.6	3.7	5.5	5.5	9.0	3.4	0.4	0.4	3.0	4.0	4.1			
*	20.7	10.0	10.0	10.0	8.7	5.3	2.0	7.3	2.7	4.	3.3	4.	1.3	1.3	2.0	0.9		8.0	
%																		\bigvee	
8 . 35																		X	
4.14																		X	
34 . 46																		X	
28 - 33																		X	
22 - 27																		X	
17 . 21																		X	
91 - 11	2.0																	X	1
7 . 10	2.0					1.3		2.0		.1			.7					X	
•	7.3	0.4	4.7	0.4	0.4	1.3	4.3	4.7	2.0		2.0	1.		. 1	1.3			X	
1:3	6.6	0.9	4.7	0.9	4.7	2.7		4.			1.3				1.	0.4		X	
SPEED (KNTS) DIR.	z	NN	¥	ENE	w	ESE	35	SSE	•	SSW	NS.	WSW	*	WWW	¥	NNN	VARBL	CALM	

DIRNAVOCEANMET SMOS

0

150

TOTAL NUMBER OF OBSERVATIONS

0

0

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93839

0

EMPHIS, TEN	TEXNESSEE	73-77	SE
	STATION NAME	YEARS	3
		ALL MEATHER	2
		thiss	MOUR
		COMBITTION	

MEAN WIND SPEED	8.7 4.8	9.3 4.4	5.3 5.0	8.7 3.4	16.7 3.5	6.7 3.2		6.7 5.5	4.0 5.8	2.0 5.7	2.0 7.3		2.0 5.0	0.6 7.	2.0 1.3	4.7 5.4		18.7	
98 Al																		X	
8 - 55																		X	
41 - 47																		\bigvee	
34 - 40																		\bigvee	
28 - 33																		\bigvee	
22 - 27																		\bigvee	
17 . 21																		M	
11 - 16	.7										.7							X	
7 . 10	.7	2.7	.7		2.0			2.0	.7				1.			. 7		X	
• •	4.7	2.0	3.3	3.3	4.7	2.1	.7	3.3	3,3	2.0	1.3		.7			2.0		X	
	2.7	4.7	1.3	5.3	10.0	0.4	1,3	1,3					.7	. 7	2.0	1.3		X	0 . 3 0
SPEED (KNTS) DIR.	z	N.	w w	E E		ESE	*	SSE	s	SSW	NS.	WSW	*	WWW	NW	NNW	VARBL	CALM	

0

0

150

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

MEMPHIS, TENNESSEE

93839

WEATHER

ALL

YEARS

CONDITION

MEAN WIND SPEED	6.2	6.4	5.2	4.3	3.6	4.6	4.6	5.0	6.1	9.9	7.1	5.2	4.9	4.3	4.4	4.9			4.3
×	12.7	7.3	6.2	6.8	11.5	1.0	5.0	4.9	5.5	3.7	2.6	1.6	1.7	1.9	2.1	4.7		14.2	100.0
N 26																		X	
48 - 55																		\bigvee	
41.4																		\bigvee	
34 - 40																		\bigvee	
28 - 33																		\bigvee	
22 - 27																		\bigvee	
17 - 21										-								\bigvee	.2
11 . 16	1.8	9.	.3			-:	.2	.2	.2		0.				7.	.3		\bigvee	4.8
7 - 10	3.4	1.2	1.2	6.	1.1	1.3	1.0	1.5	2.1			. 3	6.	**	**	6.		\bigvee	17.0
4.6	3.7	2.6	2.7	3.2	4.1	2.2	1.4	2.0	2.3	1.6	7.	0.1	1.0	9.	0.	1.4		\bigvee	32.0
1.3	3.6	5.9	1.9	2.7	6.3	2.5	5.4	2.2	6.	00	*	2.	6.	6.	1.0	2.1		X	31,2
SPEED (KNTS) DIR.	z	N.	¥	ENE		ESE	35	SSE	•	SSW	AS.	WSW	*	WWW	××	NNN	VARBL	CALM	

DIRNAVOCEANMET SMOS

1200

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

0

0

0

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77

WEATHER

HOURS (L.S.T.)

SPEED (KNTS) DIR.	1.3	• •	7 - 10	9	17 - 21	22 - 27	28 . 33	34 - 40	41 . 47	48 - 55	% AI	*	MEAN WIND SPEED
z	1.9	3.9	3.9	1.3								11.0	6.1
N.		1.9	6.1	9.								4.5	7.9
¥	9.		1.9									2.6	8.9
ENE	6.1	9.	•									3.2	3.8
3	5.4	1.9			0.							7.1	0.4
ESE	0.6	1,3										10.3	2.3
SE	1,3	3.8	0.									5.8	0.4
388	3.9	9	1.9									0.6	4.4
•	1.3		1.3									3.9	5.2
SSW	9.	9.	0.									1.9	5.7
WS		9.										9.	5.0
WSW	E . 1	9.										1.9	2.7
*													
MNM	9.		1.3									1.9	5.7
WW		0.		9.								1.3	0.6
MNN	9.	9.	1.9	9.								3.9	7.3
VARBL													
CALM	\bigvee	X	X	\bigvee	X	\bigvee	\bigvee	\bigvee	\bigvee	X	\bigvee	31.6	
	27.7	20.0	16.1	3.2	9.							100.0	3.3

DIRNAVOCEANMET SMOS

0

0

0

0

0

MEMPHIS, TENNESSEE

93839 STATION

155

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND (FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

03 HOURS (L.S.T.) 73-77 MEATHER ALL MEMPHIS, TENNESSEE

MEAN WIND SPEED	7.2	5.7	5.0	3.0	2.4	2.2	5.6	4.6	6.3	18.0	5.3	2.0	3.0	4.0	5,3	0.9			3.3
×	12.3	1.7	3.2	9.	11.6	5.8	4.5	0.6	1.9	9.	1.9	9.	1.3	2.6	1.9	1.9		30.3	100.0
95 Al																		X	
48 - 55																		\bigvee	
41 - 47																		\bigvee	
34 . 40																		\bigvee	
28 · 33																		\bigvee	
22 - 27																		\bigvee	
17 - 21										9.								\bigvee	0
11 . 16	1.9						9.									9.		\bigvee	3.2
7 . 10	5.6	6.1	•				•	1.3	1.3		•				3.			X	12.9
• :	2.6	3.9	1.9		2.6	0.	1.3	5.2					9.	1.9		9.		X	21.8
.:	1.9	1.3	9.	9.	0.6	7.7	1.9	2.6	9.		1.3	9.	9.	9.	1,3	9.		X	31.6
SPEED (KNTS) DIR.	z	NN	WZ.	ENE		ESE	35	SSE	s	SSW	SW	WSW	*	WNW	WW	NNW	VARBL	CALM	

DIRNAVOCEANMET SMOS

93839 STATION

0

0

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

155

PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

(FROM HOURLY OBSERVATIONS)

WEATHER CONDITION ALL MEMPHIS, TENNESSEE

73-77

93839 STATION

0

0

0

0

0

0

0

0

0

0

0

06 HOURS (L.S.T.)

MEAN WIND SPEED	6.9	8.0	3.3	3.3	2.7	3.2	3.5	6.1	4.0	0.6	4.0		2.0	2.0	8.0	6.8			3.4
×	11.6	9.5	4.5	3.9	4.7	10.3	4 · 8	8.8	9.	9.5	1.3		9.	1.3	1.3	8.6		1.62	100.0
84																		\bigvee	
48 - 55																		\bigvee	
41.4																		\bigvee	
34 - 40																		\bigvee	
28 - 33																		\bigvee	
22 - 27																		\bigvee	
17 . 21										9.								\bigvee	ġ.
11 - 16	2.6							9.							9.	1.3		\bigvee	5.2
7 - 10	2.6	6.1				9.	1.3	E . 1		9.						1.3		\bigvee	1.6
9.4	4.5	o.	3.2	6.1	2.0		1.3	2.6	9.	9.	9.				90	1.9		\bigvee	23.9
1.3	1.9		1.3	1.9	7.1	7.1	5.8	1.3		9.	9.		9.	1,3		1.3		\bigvee	31.0
SPEED (KNTS) DIR.	z	NNE	a z	ENE		ESE	38	SSE	S	SSW	SW	WSW	*	WWW	NW	NNW	VARBL	CALM	

0

155

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS)

YEARS 73-77 WEATHER ALL SEMPTIS, TENNESSEE STATES NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93839 STATION

971

Q

0

0

0

COMPITION

HOURS (L.S.T.)

100 PT

MEAN WIND SPEED	6.6		0.9		7.1		5.0	5.9			10.7	5.5	4.5	5.5	7.0	10.7			6.7
*	11.0	4.5	1.9	6.9	5.4	1.9	6.9	5.61	12.9	1.1	3.9	3.9	6.9	1.3	3.2	3.9		7.1	100.0
%																		\bigvee	
48 - 55																		\bigvee	
4.4															8			\bigvee	
34 - 40																		\bigvee	
28 - 33																		\bigvee	
12 . 17																		\bigvee	
17 - 21											1.3							\bigvee	1.3
11 - 16	5.2	9.		2.6	1.3				4.5		9.				9.	2.6		\bigvee	18.1
7 . 10	3.2	5.1	0.	1.9	1.3	1.3	1.3	7.1	3.2	3.2		1.3			9.	9.		\bigvee	29.0
•	9	0.	0	-		9.	3.2	2.0	2.6	2.0	3	-	2	1	1.3	0.		\bigvee	24.5
.:	9.	1.3	9.	9.	1.9		1.9	3.9	2.6	1.3	9.	1.3	2.6		9.			X	20,02
SPEED (KNTS) DIR.	z	N.X	w Z	Z.	•	ESE	*	SSE	•	WSS	NS.	WSW	3	WWW	32	ANN	VARBL	CALM	

DIRNAVOCEANMET SMOS

-

155

PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

(FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

ALL WEATHER

73-77

MEMPHISS TENNESSEE

93839 STATION

0

0

0

0

0

0

YEARS

12

CONDITION

MEAN WIND SPEED	8.4	8.2	8.8	5.7	8.0	3.5	5.8	7.5	8.2	8.1	9.7	0.6	4.3	7.1	9.9	7.6			7.4
*	10.3	3.9	7.1	1.9	1.3	2.6	3.9	4.8	14.2	11.0	6.9	5.2	5.2	5.4	5.4	5.8		3.9	100.0
8																		\bigvee	
\$. 55																		X	
4.4																		\bigvee	
34 . 46																		\bigvee	
28 - 33																		\bigvee	
22 - 27								9.										\bigvee	9.
17 - 21								9.										X	9.
91 . 16	3.9	9.	2.6					•	3.2	5.6	3.9	1.9		9.	9.	1.3		X	21.9
7 . 10	3.2	1.9	1.9	1.3	9.	0.	1.9	1.3	5.8	5.2	•	1.9	••	2.6	2.0	2.6		X	34.8
:	6.1	4.3	1.9		9.		0	3.2	3.2	1.9	9.	g.	3.2	1.3		9.		X	21.3
:	1,3		9.	9.		1.9	1.3	1.9	6.1	1,3	1,3	9.	1,3		1.3	1.3		X	16.8
SPEED (KNTS) DIR.	z	NNE	¥	ENE		ESE	*	SSE	s	SSW	NS.	WSW	*	WWW	NW	NNW	VARBL	CALM	

DIRNAVOCEANMET SMOS

155

15 HOURS (L.S.T.)

UCT NOW

YEARS

73-77

MEMPHIS, TENNESSEE

93839

0

0

ALL WEATHER

CONDITION

SPEED (KNTS) DIR.

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

(FROM HOURLY OBSERVATIONS)

MEAN WIND SPEED	9.2	6.9	5.4	5.8	5.3	4.3	4.6	8.6	9.6	7.4	6.7	4.3	6.8	6.3	5.9	10.8	
*	14.2	7.1	4.5	3.2	3.9	1.9	3.2	7.1	11.6	7.1	11.6	5.2	5.8	3.9	4.5	3.9	
8																	
48 - 55																ン	
4.4																	
34 . 46																	
28 - 33																	
22 - 27																	
17 - 21	9.																
11 . 16	3.9	9.						1.9	3.6	1.3	2.6		0.		9.	1.9	
7 . 10	7.1	3.2	1.3	1.9	1.3		9.	3.9	4.5	2.6	1.9	9.	1.3	1.9	9.	1.3	
;	1.3	2.6	5.0		1,3	1.9	1.3		3.9	2.6	4.5	2.6	3.9	1.9	1.9	9.	
1.3	1.3	9.	•	1.3	1.3		1.3	1.3	9.	9.	2.6	1.9			1.3		
	T															F	-

0

TOTAL NUMBER OF OBSERVATIONS

155

7.1

100.0

9.

16.1

34.2

32.9

14.8

NW NARBL

NNW X

CALM

1.3

MEAN WIND SPEED

M

48 - 55

41 . 47

34 - 40

28 . 33

22 . 27

17 - 21

11 . 16

7.10

-3

SPEED (KNTS) DIR.

3.00

0.6

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

(FROM HOURLY OBSERVATIONS)

73-77

MEMPHIS, TENNESSEE

93839 STATION

18 HOURS (L.S.T.)

WEATHER

9.

3.9

5 . 1

2 2 2

0

4.5 3.5 1.9

2.6 1.9

.6

•

9

.0

3,9

Z

1.3

4.5

2 2

.

1.3

* W

WSW WSW

0:

SSW

•

0

0

9

VARBL CALM

Ž

ž

3.6

3.7

3.2 4.5

3.8

3.2 9.

9.

TOTAL NUMBER OF OBSERVATIONS

3,3

100.0

3.5

7.7

29.7

45.6

16.8

155

SMOS DIRNAVOCEANMET

SUS		YEARS
PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)	73-77	YEA
	MEMPHIS, TENNESSEE	STATION NAME
NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC	MEMPH	

ALL WEATHER

93839 STATION

0

0

0

0

0

0

. 0

0

0

CONDITION

NOURS (L.S.T.)

DC T

MEAN WIND SPEED	5.8	5.8	5.8	5.0	3.4	3.3	4.2	4.5	8.4	0.9	2.0		8.0	6.7	11.0	7.7			3.4
*	13.5	5.2	3.2	1.3	7.1	7.1	11.0	7.1	3.2	9.	9.		1.3	1.9	1.3	6 1		33.5	100.0
88																		\bigvee	
48 - 55																		\bigvee	
41 - 42																		\bigvee	
34 - 40																		\bigvee	
28 - 33																		\bigvee	
12 · 17																		X	
17 - 21															9.			X	9.
91 - 11	••	9.						9.	9.				9.			9.		X	3.9
7 - 10	3.9	9.	1.3	9.			1.9	9.	1.3					1.3				\bigvee	11.0
9	5.2	3.2	1.3		3.9	3.2	3.9	3.2	1.3	9.			9.	•	9.	1.3		X	29.0
1.3	3.9	9.	9.	9.	2.€	6.€	5.2	5.6			9.							\bigvee	21,3
SPEED (KNTS) DIR.	z	INN	JN.	BNB	3	ESE	38	358	s	SSW	NS.	MSM	*	WNW	MM	MNN	VARBL	CALM	

155

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93839 STATION

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

YEARS 73-77 WEATHER COMDITION ALL MEMPHIS, TENNESSEE

MEAN WIND SPEED	7.3	6.1	5.6	5.4	3.6	3.1	4.6	5.6	7.6	7.1	6.9	5.7	6.4	5.5	6.8	8.2			8.4
*	12.3	5.5	4.1	3.1	8.9	5.7	6.5	8.5	6.7	6.3	3.9	2.2	3.0	5.5	2.3	3.5		19.3	100.0
\$2																		\bigvee	
48 - 55																		\bigvee	
41 - 42																		\bigvee	
34 . 40																		\bigvee	
28 - 33																		\bigvee	
22 - 27								1.										\bigvee	.1
17 - 21					7.			7.		~	.2							\bigvee	9.
1.16	2.7	4.	.3	.3	.2		1.	.5	1.5	3.	6.	.2	.2	• 1	4.	1.1		\bigvee	4.6
7 . 10	3.9	1.7	1.0	8.		6.	1.5	2.2	2.2	1.5	4.	•	4.	6.	9.	1.0		\bigvee	19.5
9;	3.6	2.1	1.5	0.	1.9	1.6	2.1	3.1	2.0	1.4	1.0	9.	1.4	1.0	9.	33.		\bigvee	25.4
1.3	2.1	1.3	1,2	1.4	4.2	3.8	2.7	5.6	1.0		1.4		1.0	6.	9.	.5		X	25,7
SPEED (KNTS) DIR.	z	NNE	NE	ENE	3	ESE	38	SSE	s	SSW	AS.	WSW	*	WWW	WW	MNN	VARBL	CALM	

0

0

0

0

DIRNAVOCEANMET SMOS

1240

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

00 HOURS (L.S.T.) NON 73-77 MEATHER CONDITION ALL MEMPHISS TENNESSEE NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93839 STATION

0

0

0

0

0

SPEED (KNTS) DIR.	1.3	• •	7 - 10	1.16	17 . 21	22 · 27	28 - 33	34 · 40	41 - 47	48 - 55	%	*	MEAN WIND SPEED
z	4.7	3.3	2.0	1.3								11.3	5.5
NN		. 7	2.0									2.7	8.0
a z	1.3	. 7		•								2.7	5.3
ENE	1.3											2.0	0.0
	4.7											5.3	2.4
ESE	0.4	1.3										0.9	2.9
SE	2.7	1.3	2.0									6.7	5.7
SSE		2.0										4.7	7.1
s	1,3	6.0	0.4	2.7	1.3							11.3	9.7
SSW	2.0	1.3	2.0	.7	.7							6.3	7.4
SW		1.3										2.0	4.7
WSW		4.	1.3									2.0	7.7
*	. 7	. 7	1.3	.7								3.3	7.6
WNW	1.3	1.3	0.2									4.7	5.4
N.	1,3		1.3									2.7	5.5
NNN	2.7			1.3								5.3	6.1
VARBL													
CALM	\bigvee	\bigvee	X	X	X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	20.7	
	78.7	18.0	21.3	0	2.0							000.	4

150

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77 MEMPHIS, TENNESSEE

ALL WEATHER

NOURS (L.S.T.)

NCS

SPEED (KNTS) DIR.	1.3	9:-	7 - 10	11 . 16	17 - 21	22 . 27	28 - 33	34 . 40	41 - 47	48 . 55	95 A1	*	MEAN WIND SPEED
z	0.4	2.7	2.0									8.7	4.7
N.X	2.7		.7									0.4	4.3
¥		2.0		1.3								0.4	7.7
ENE		2.0	1.3									0.4	5.3
	2.7	1.3		.7								4.7	4.3
ESE	4.7											4.7	2.4
35	4.7	3.3	1.3	.7								10.0	
SSE	1.3	2.0	2	1.3								6.7	6.2
~	1.3			2.7	140							8.7	10.6
SSW	2.7	.7			. 7	.7						L.4	7.4
AS.	. 7		1.	.7								2.0	8.3
WSW	.7	1.		1.3								3.3	8.4
*	2.7	2.0	.1									5.3	3.8
WNW		2.7										2.2	4.8
K	2.7	100	103									5.3	5.4
NNW		2.0										0.4	7.3
VARBL													
CALM	\bigvee	\bigvee	X	X	\bigvee	18.7							
	31.3	23.2	14.7	10.0	1.3	4.						100.0	4.8

0

0

93839 STATION

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

DIRNAVOCEANMET SMOS

150

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77

WEATHER

ALL

YEARS

06 HOURS (L.S.T.)

NOV

CONDITION

WIND WIND SPEED	7.5	5.4	0.0	3.7	3.2	2.6	3.9	9.5	7.5	6.9	6.7	2.7	5.0	6.5	4.9	9.9		4.8
×	8.0	4.7	5.3	0.4	8.7	7.3	0.9	4.0	7.3	0.9	0.4	2.0	4.0	1.3	8.0	5.3	14.0	100.0
85 VI																	X	
48 - 55																	X	
41.47																	X	
34 - 46																	X	
28 - 33																	X	
22 - 27								.7									X	.,
17 . 21																	X	.7
11 . 16	2.0								1.3	2.0	2.0					.7	X	6.6
7 . 10	2.7	.7	1.3					2.0	3.3	1.3			1.3		1.3		X	10.7
• •	2.7	1.3	2.1	1.3	2,7		2.7	1.3		. 7			.7.	. 7	1.04	.7	X	23.3
		2.0	•	2.0	0.9	6.1	2.7		2.0	2.0	2.0	2.0	2.0		2.0	2.7	M	85.3

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93839

0

MEMPHIS, TENNESSEE

SPEED (KNTS) DIR.

Z

Z Z

22 22 23 23 24 25

SSW WSW WSW

•

VARBL

CALM

NW WW

*

150

8.5

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

KEMPHIS, TENNESSEE

93839

YEARS

WEATHER

777

09 HOURS (L.S.T.)

NON

CONDITION

8

28

22 - 27

17.21

11 . 16

7 . 10

4.6

...

SPEED (KNTS) DIR.

1.3 1.3

2.0 2.5

2.7 1.3

> 5.0 2.0

MEAN WIND SPEED 7.3 8.7 3.3 4.0 4.0 2.7 100.0 × 12 . 55 4 . 47 7 4 2

> 2.0 3.3 0 1.3

.

5.3 4.7

8.0

007

8.6

0.6 5.3

3.6

6.5 7.8 5.7

TOTAL NUMBER OF OBSERVATIONS

150

7.3

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

0

0.

Z

z z

0

2 2 2

0

0

0

17.3

34.7

27.3

16.7

2.7

1.3

2001

NW NW

VARBL CALM

. 1

2. 2.0 2.0

WSW WSW

*

SSW

.

DIRECTION AND SPEED

PERCENTAGE FREQUENCY OF WIND (FROM HOURLY OBSERVATIONS)

12 HOURS (L.S.T.) NON NON 73-77 ALL WEATHER MENDIIS, TENNESSEE NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

MEAN WIND SPEED	8.2	7.2	5.8	7.0	0.9	7.0	8.0	7.0	8.6	9.4	11.3	7.0	8.4	8.0	6.9	8.7			7.9
*	7.3	2.9	2.7	4.7	4.7	0.4	0.4	8.0	13.3	10.7	8.0	2.0	4.7	6.7	5.3	4.7		2.7	100.0
% 4																		\bigvee	
48 - 55																		\bigvee	
41 - 47																		\bigvee	
34 - 40																		\bigvee	
28 - 33																		\bigvee	
22 - 27											.7							X	.7
17 - 21							.7.			6.	.7							\bigvee	2.7
11 - 16	2.0	1.3			1.3				0.4	4.0	2.7		2.0	1.3		2.0		\bigvee	22.7
7 - 10	2.7	2.0		2.7			2.0	2.7	5.3	2.0	1.3	1.3	2.	2.7	1.3			X	28.7
4.6	2.0	2.7	l.3	2.0	2.0	2.0	1.	2.7	3.3	2.0	2.7			2.0	2.7	2.0		X	30.7
1.3	1.	4.			1,3			1.3		2.0			1.3		4.			\bigvee	12.0
SPEED (KNTS) DIR.	z	JNN	ž	ENE		ESE	38	SSE	•	SSW	*S	MSM	*	WNW	××	ANN	VARBL	CALM	

DIRNAVOCEANMET SMOS

150

TOTAL NUMBER OF OBSERVATIONS

93839 STATION

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER CONDITION MEMPHISS TENNESSEE

												MEAN
:		7.10	91 . 19	2.2	22 - 22	28 - 33	3. 6	4.4	4 · 55	% AI	×	SPEED
~	2.0	1.3	2.0								0.9	8.7
3	.3	2.7	2.0								6.3	7.4
2	2.0	.7	1.3								L.4	7.1
~	1.3										2.7	3.5
N	2.0	1.3	1.3								4.7	7.4
											1.3	3.5
_	.3			. 7							0.4	5,7
2	2.0	0.4	1.3								7,3	8.3
44.	5.3	2.7	5.3								14.7	7.9
		2.0	5.3	1.3	.7						10.0	12,3
		2.7									5.3	6.1
		1.3		1.3							4.7	11.0
	1.	.1	1.3								0.4	6.8
	. 7	1.3	3.3								7.3	9.1
		2.7	2.0								4.7	9.7
	. 7	1.3	1.3								3.3	9.6
	\bigvee	X	X	X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	0.9	
-	22.0	24.7	28.0	3.3	.7						100.0	7.8

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

0

0

0

O

150

TOTAL NUMBER OF OBSERVATIONS

0

93839 STATION

NON

15 HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

(FROM HOURLY OBSERVATIONS)

73-77

MEMPHIS, TENNESSEE

93839

ALL WEATHER

COMBITION

18 HOURS (L.S.T.)

NON

SPEED (KNTS) DIR.	1.3	4.6	7 - 10	11 . 16	17 - 21	22 - 27	28 · 33	34 - 40	19-17	48 - 55	N 56	*	MEAN WIND SPEED
z	3.3	0.4	1.3									8.7	4.6
W.Z	2.0	4.7	2.7									9.3	5.1
¥	2.0	1.										2.7	3.3
E E	2.0	1.3										0.4	3.8
	3.3											4.0	2.2
ESE	2.0	2.7										0.9	5.3
35	1.3	3.3	2.0	.,								7.3	5.7
SSE	4.1	0.4	2.0									12.0	5.9
9	1.3	5.3		2.0								6.6	6.2
SSW	1.3	1.3		.7								4.0	5.8
NS.	2.0	2.0										0.4	3.0
WSW	2.0											2.7	0.9
*		1.3		1.3								0.4	7.8
WNW	1.3		1.3									0.4	6.5
×	2.7		1.3									5.3	5.8
NNN	.7				.7							2.0	9.7
VARBL													
CALM	\bigvee	\bigvee	X	\bigvee	10.7								
	32.7	32.7	16.7	7.3	2.0							0.001	4.8

0

0

150

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

WEATHER

ALL

21 HOURS (LS.T.)

NON

MEAN WIND SPEEC	4.8	3.5	3,3	7.3	2.8	2.7	4.5	7.3	9.2	5.0	2.0	5.0	8.1	5.6	6.4	9.6		4.8
*	8.7	0.4	4.7	2.0	5.3	0.9	6.7	8.0	12.7	0.9	.7	2.0	4.7	3.3	4.7	4.7	14.0	100.0
% AI											99						\bigvee	
48 - 55																	\bigvee	
4.4																	X	
34 . 46																	M	
28 . 33																	X	
2.2									.7								X	.7
17.21									.7								M	.7
91 - 11	1.3							2.0									M	8.7
7 - 10	1.							2.0	0.4	.,			2.0	7.	1.3	2.7	M	14:7
9.4	2.0	2.7	1.3	1.3	1.3	6.0	3.3	1.3	4.0	0.4		1.3	1.3	. 7	2.0		\bigvee	28.7
	-	3	3		0	0	0	-	-	•	1	~	1	3	3	0	1	7

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93839

MEMPHIS, TENNESSEE

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1

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SW WSW

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WWW WWW

VARBL CALM

SPEED (KNTS) DIR.

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20

150

MEAN WIND SPEED

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12

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33

78

22 - 27

17 - 21

11 . 16

7 - 10

-3

SPEED (KNTS) DIR.

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7:2

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1.2 1.4 1.4 2.2 3.7 1.4 .

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1200

TOTAL NUMBER OF OBSERVATIONS

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14.1

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25.6

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1.3

5.

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4.5

4.9

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

MEMPHIS, TENNESSEE

73-77

YEARS

WEATHER

ALL

ALL HOURS (L.S.T.)

NON

CONDITION

6.7 11.6 11.6 7.7 7.7 4.3 3.1 5.1 5.4 4.2 11.2 10000

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WSW

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SSW

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224

1.1

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2.6

SSE SSE

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93839 STATION

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0

0

0

VARBL

CALM

MEAN WIND SPEED

3.4

5.8

9.0

70.5

0.0 7.7 8.0

3.9

6.5

3.9

7.1

7.9

4.5

6.5

NW VARBL

CALM

NN.

*

WSW WSW

SSW

.

0.9

100.0

20.6

155

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

YEARS

WEATHER

ALL

00 HOURS (L.S.T.)

DEC

CONDITION

SPEED (KNTS) DIR.

X X X

1

0

z

SS SS SS

3

VI VI																	\bigvee	
48 - 55																	X	
41 - 47																	X	
34 - 40																	\bigvee	
28 - 33																	\bigvee	
12 - 27																	\bigvee	
17 - 21	9.				+		9.		9.	9.				9.	9.		X	3.9
51 . 16	3.2						1.3	1.3	4.5	1.9	1.3	1.3		9.	1.3	1.3	X	18.1
7 . 10	9.					9.	1.9	3.2		9.	9.	0.	2.0	1.3	0.	1.9	X	14.8
9	3.5	1.3	1.3	1.3	3.2	1.9	1.3	2.6	1.9	1.3		9.	1.3		1.3	3.6	X	25.8
1.3	1.3	9.	9.	9.	2.0	1.3	2.6		1.3		9.	1.3		9.	•		V	16.8

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

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0 1525

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93839 STATION

MEMPHIS, TENNESSEE

and the same

MEAN WIND SPEED

8

28

22 - 27

17 - 21

11 . 16

7 - 10

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SPEED (KNTS) DIR.

2.6

1.3

. 3

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6.1

Z Z Z

5.6

3.3

2.6 3.2 1.3 7.7 7.7

0.9

8.3

3.9

7.0

5.2

7.5

10.4

SURFACE WINDS

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PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

ALL WEATHER

73-77

HOURS (L.S.T.)

DEC

CONDITION

		*			
48 - 55					
41 - 47					
34 . 45					
8					

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9

1.3

1.3

9. .0

4.0

1.3

3.6

WWW NWW

VARBL CALM

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1:3

1.9

1.3

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1.3

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1.3

SW WSW

1.9

• 3.9 1.9 •

1.3

•

3.2 6.1 1.9 3.6

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SSE SSE

TOTAL NUMBER OF OBSERVATIONS

7450

155

5.6

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1.9

12.9

20.0

27.7

21.9

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15.5

DIRNAVOCEANMET SMOS

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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

MEMPHIS, TENNESSEE

93839 STATION

MEAN WIND SPEED

5.0

3.9

4.6

5.3

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

MEMPHIS, TENNESSEE

93839

06 NOURS (L.S.T.)

ALL WEATHER

COMBITION

7 - 10

1.3

SPEED (KNTS) DIR.

3.9 1.3 3.9 3.2 3.2 7.7 6.5 10.3 6.5 12.9 100.0 128 48 - 55 41 - 47

0

1.9 9.

1.9

2.6 9

WSW WSW

SSW .

9. .

1.3

3.6

- 2 % %

3.2

2.6

1.9

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4.0

3.2 2.6 2.6 2.6 4.5

1.3

1.3

...

2.6 ... 9.0

1.3

1.3

2.0

0006

8.0

7.9 8.7

TOTAL NUMBER OF OBSERVATIONS

1.3

11.6

20.0

27.1

27.1

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1.3

1:0

1.3 9

N N VARBL CALM

WNW

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155

5.3

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

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3.9

MEAN WIND SPEED

12

. 55 4

. 47 7

34 - 40

28 - 33

22 - 27

17 . 21

11 . 16

7.10

-3

SPEED (KNTS) DIR.

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1.9

•

6

Z

E Z

5.2 4.0 5.9

1.9

7.0

5.2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

MEMPHIS, TENNESSEE

63836

00 HOURS (L.S.T.)

DEC

WEATHER

ALL

CONDITION

100.0

9.

SSW WSW WSW

s

0

3.2

4.5 1.3

1.3 9. 1.3

.

1.3

1.3

9.8

10.3

... . 9 1.3 2.0 1.3 1.9 6.1 .

25 S2 S2

0

1.3

00

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100

7.5 6.6

13.5

9.3

6.5 0.6

7.2

3.9 3.9

5.8

TOTAL NUMBER OF OBSERVATIONS

1.9

18.7

30.3

25.2

18.7

a de la companya

1.3

5.6

3.2

9.

VARBL

CALM

N.

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9

1.0

4.5

7.0

5.8

155

SMOS DIRNAVOCEANMET

0

1

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

SURFACE WINDS JAN 78

SURFACE WINDS

1

PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

MEMPHIS, TENNESSEE

93839 STATION

0

0

0

73-77 ALL WEATHER

12 HOURS (1.5.T.)

DEC

CONDITION

SPEED KNTS) DIR.	1.3	• •	7 . 10	1 . 16	17 . 21	22 - 27	28 - 33	34 - 40	41.47	48 - 55	8 8	*	MEAN WIND SPEED
z	1.3	1.3	1.9	2.6								7.1	8.1
N.	9.	9.	0.									1.9	5.3
Z.		9.	1.3									1.9	6.3
ENE	9.	9.										1.3	0.4
	9.	1.3	1.3									3.2	0.9
ESE	1.3		1.3									9.2	5.3
SE			1.3	1.3								2.6	11.8
SSE	1,3		3.9	1.3								6.5	8.6
s	1,3	1.9	6.5	4.5	ç.							14.8	4.6
SSW	9.	2.6	3.9	2.0	9.							10.3	9.2
SW	1.3	1.3	2.0	1.3	•							7.1	5.8
WSW		9.	3.2	2.6								6.5	6.6
*		6.1	••	1.3								3.9	8.7
WNW		1.3	3.9	3.9								0.6	6.6
¥	1.3	1.9	9.	1.3								5.2	8.9
NNN	9.		3.9	4.5								0.6	10.4
/ARBL													
CALM	\bigvee	\bigvee	\bigvee	X	\bigvee	7.1							
	11,0	16.1	36.0	27.1	1.9							100.0	8.1

1111

155

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

WEATHER ALL

73-77

YEARS

15 HOURS (L.S.T.)

DEC

CONDITION

MEAN WIND SPEED	10.0	7.0		6.7	6.5	4.6	5.5	4.6	10.5	8.4	9.6	7.4	6.9	8.3	4.6	8.1			8.3
×	7.1	2.6		1.9	7.1	1.9	2.6	10.3	11.0	0.6	0.6	5.6	0.6	3.9	6.5	4.6		5.6	100.0
35 Al																		\bigvee	
48 - 55																		\bigvee	
41 - 47																		\bigvee	
34 . 40																		\bigvee	
28 - 33																		\bigvee	
22 - 27																		\bigvee	
17 - 21	9.							1.3		9.	9.				9.	1.3		\bigvee	5.2
11 - 16	2.6	9.				9.		3.2	5.8	1.3	2.0	•	9.	9.	2.6	1.9		\bigvee	23.2
7 . 10	1.9	9.		1.3	3.2	9.	1.3	5.0	3.9	3.9	3.2	9.7	3.9	1.9	1.3	1.3		\bigvee	33.5
4.6	1,3	9.		9.	3.2	9.	0.	1.3	9.	2.6	2.0	1.9	3.9	9.	• 0	3.6		\bigvee	24.5
1.3	9.	9.			9.		9.	1.9	9.	9.		9.	9.	9.	1.3	1.9		\bigvee	11.0
SPEED (KNTS) DIR.	z	NNE	NE	ENE		ESE	SE	SSE	s	SSW	SW	WSW	*	WNW	NN	NNW	VARBL	CALM	

0

0

DIRNAVOCEANMET SMOS

155

TOTAL NUMBER OF OBSERVATIONS

0

93839 STATION

MEMPHIS, TENNESSEE STATION MANE

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

MEAN WIND SPEED

3.7

5.2

5.3 2.9

7.6

7.3

3.8

7.0

5.4

155

TOTAL NUMBER OF OBSERVATIONS

26.8

0

PERCENTAGE FREQUENCY OF WIND

SURFACE WINDS

(FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

73-77 WEATHER CLASS ALL

YEARS

18 HOURS (L.S.T.)

DEC

CONDITION

4.5 100.0 4.6 * 12 48 - 55 41 - 47 34 - 40 28 - 33 22 - 27 1.9 • 2.6 17 - 21 1.3 1.9 ° 6 9. 1.3 4. 10.3 9. 11 - 16 . 6.1 3.2 1.3 1.9 2.6 1.3 1.3 .. .0 18.1 1.3 7 . 10 2.0 1.3 3.9 .0 3.5 5.0 1.9 1.9 4.9 1.3 3.2 . 32.9 6.1

0

8

SSW

NS.

WSW

12

WWW N N VARBL CALM

*

1.9

- 2 2 2

0

1.3

SPEED (KNTS) DIR.

0

0

0

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

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93839 STATION

MEMPHIS, TENNESSEE

0

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

YEARS (FROM HOURLY OBSERVATIONS) 73-77 ALL WEATHER CONDITION MEMPHIS, TENNESSEE NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93839

0

0

0

0

0

0

21 HOURS (L.S.T.)

MEAN WIND SPEED	9.8	3.7	5.5	5.2	3.7	4.3	5.8	7.2	8.2	1001	4.3	7.0	0.4	0.6	10.1	7.6			
*	8.4	4.5	1.3	3.2	8.4	6.9	8.4	7.1	7.1	7.7	9.2	2.6	1.3	5.2	2.8	5.8		14.2	
8																		X	
48 - 55																		X	
41 - 47																		X	
34 - 40																		X	
28 - 33																		X	
22 - 27										9.								X	
17 - 21	1.3							9.		9.				9.		9.		X	
11 . 16	3.2						1.3		2.6	1.9		9.		1.9	5.6			X	
7 . 10	1.9	9.	9.	1.0	••	1.3	1.9	4.5	1.3	1.3	9.				5.6	5.6		X	
• •	9.	1.3		9.	3.9	1.9	9.		1.9	2.0	• •	1.9	0.	1.9	9.	1.9		X	
<u>:</u>	1.3	2.6	9.	1.3	3.9	3.2	4.5	1.9	1.3	9.	1.3		9.	9.		9.		X	
SPEED (KNTS) DIR.	z	NNE	N.	ENE		ESE	35	SSE	•	SSW	SW	WSW	*	WWW	N.	NNW	VARBL	CALM	

155

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77 WEATHER ALL

ALL HOURS (L.S.T.)

DEC

YEARS

5.1 4.6 4.0 8.0 8.2 8.2 7.0 MEAN WIND SPEED 20.00 2.2 5.5 12 48 . 55 41 - 47 34 - 40 28 - 33 22 - 27 * 4 % 17 - 21 1.0 1.5 2.5 3. 11 - 16 1.2 4. 0 0.1 1.4 3.5 4. 7 - 10 9. 1.2 5.8 .. . 5 . 4.6 00 1.3

SPEED (KNTS) DIR.

Z Z Z

- 2 2 2

0

TOTAL NUMBER OF OBSERVATIONS

6.5

100.0

2.8

17.0

54.4

25.1

19.7

11.0

5.0

. 2 3 •

1.5

* *

WSW

SSW

w

0

SW

VARBL

CALM

N.

×

1.0 1.2

1.2 1.5 1.3

0.1

4.1

1240

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93839

MEMPHIS, TENNESSEE

6.3 5.6 4.8

MEAN WIND SPEED

4.5 5.6

8.0

6.8

6.9

7.3

6.2

SURFACE WINDS

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PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

(FROM HOURLY OBSERVATIONS)

73-77

MEMPHIS, TENNESSEE

ALL HOURS (L.S.T.)

WEATHER

ALL

10.1 4.5 6.4 3.8 7.4 5.0 6.0 7.4 3.6 3.8 12.6 10000 × 8 . 55 4 . 47 7 34 - 40 0 0 00 0 28 - 33 .3 00 0 .2 -0 0 • 0 0. 22 - 27 00 2.0 -5. . .2 -17 - 21 -622 1.5 13.1 11 - 16 1.5 8 7 . 2 1.2 2.2 1.9 1.0 . 22.6 3.1 1:1 --7 - 10 2.6 2.0 5.0 1.0 * 2.3 . 1.4 5 26.7 1.3 . 4.6

25 32 SE 32 SSE

0

1.3

SPEED (KNTS) DIR.

Z

Z Z

9.0

SSW

.

0

WSW

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SW

NN X

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VARBL

CALM

N

*

TOTAL NUMBER OF OBSERVATIONS

22.4

14604

DIRNAVOCEANMET

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93839

0

0

PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

INSTRUMENT

73-77

MEXPELS, TENNESSEE

93839 STATION

YEARS

NOURS (L.S.T.)

CIG 200 TO 1400 FT W/VSBY 1/2 MI UR MURE,

AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

MEAN WIND SPEED	8.7	7.1	6.3	5.7	5.9	6.9	6.5	7.5	8.9	4.6	8.4	8.3	6.0	4.0	8.6	8.6			8.9
×	12.8	5.6	6.4	4.2	6.5	4.6	4.4	5.1	8.7	5.2	4.6	3.2	3.9	3.0	4.4	7.9		11.1	100.0
N 28																		X	
48 - 55																		X	
41.4																		\bigvee	
34 - 40																		\bigvee	
28 - 33									• 1			• 1						\bigvee	•1
22 - 27	•						.1		.2	.1	• 1	.1			.1			\bigvee	.5
17.21	9.		.1		1.		.1	.2	.3	4.	.2	.2		.1	.1	. 3		X	3.0
91 . 1	3.4	800	.5	.2	9.	s.		8.	2.0	1.6	1.0	9.	9.	.2	1.2	2.1		X	16.8
7 . 10	4.4	2.4	1.5	1.0	1.6	1.2	1.1	1.6	3.1	1.4	1.6	9.	1.2	6.	1.3	5.0		\bigvee	27.0
4.6	2.6	1.3	1.7	2.0	200	1.5	1.2	1.4	2.2	1.3	. 9	1.1	1.1	3.8	6.	1.9		\bigvee	24.6
1.3	1.7	1.2	1.2	6.	2.0	1,3	1.3	1.0	. 3	.5	8.	2	6.	9.	.7	6.		\bigvee	16,3
SPEED (KNTS) DIR.	z	NN	¥	EN EN		ESE	**	SSE	~	SSW	SW	WSW	*	WWW	¥	NNN	VARBL	CALM	

0

0

1722



NWSD, Federal Building Asheville, N. C.

ART D

CEILING VERSUS VISIBILITY

equal to or greater than 10 miles. Data are derived from 3-hourly observations, and three sets of tables are This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to presented as follows:

- . Annual all years and all hours combined
- 2. By month all years and all hours combined
 - By month by standard 3-hour groups

station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by re-Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of ferring to totals in the extreme right hand column. Also, visibility may be determined independently by on pages 2 and 3 below. U. S. Weather Bureau and Mavy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948.

N N 000	≥ 300 ≥ 200	≥ 500 ≥ 400	≥ 700 ≥ 600	≥ ≥ 900 800	≥ 1200 ≥ 1000	≥ 1800 ≥ 1500	NO CEILING	(FEET)	CEILING
Policinal Adda	1 V					3.40		≥ 10	
	gas un un zun							≥ 6	
					103.3			12 5	
	0.028				d ban	30.50		IV.	
95.4						91.0		l∨ 3	
							$\rangle \rangle$	≥ 2 1/2	
96.9					10 AC 4 LO			l> 2	VIS.
								≥ 1 1/2	SIBILITY (S
	1 1				9 17.0	SEC.	5	≥ 1 1/4	VISIBILITY (STATUTE MILES)
98.3	Actual Superior	97.4						IV -	LES)
			OVER A					l∨ %	
						App Car	(≥ %	
			E.O. Olto					≥ %	
0.000					100			≥ 5/16	
	- CIA							IV %	
100.0	201	98.1				92.6	()	IV 0	

A service and the service of the ser

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed > 0. For instance, from the table: Ceiling > 1500 feet = 92.6%.

Ceiling > 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite > 0. From the table: Visibility > 3 miles = 95.4%.
Visibility > 2 miles = 96.9%.
Visibility > 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling > 1500 feet with visibility > 3 miles = 91.0%.

EXAMPLE # 4

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.

Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet</p> and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5

To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

subtracted from 97.4 read from the table at the intersection of > 500 feet with > 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling > 500 feet with visibility > 1 mile, but < 3 miles; or ceiling > 500 feet, but < 1500 feet with visibility > 1 mile." The value 91.0 read from the table at the intersection of > 1500 feet with > 3 miles,

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

Come Calleton

SKY COVER

cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as This summary is prepared from 3-hourly observations and is a percentage frequency distribution of total sky follows:

- 1. By month and annual all hours and all years combined.
- 2. By month by standard 3-hour groups.
- NOTE: Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.
- # 2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

	.v. ₽	ωN	, r o	OKTAS
(or obscured)				103
2				
080				
ž,				
ed				
•				
				周
500	90	+w	10	HINE
000	65	+ω	10	

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

00 HOURS (1 S T.) NAL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) MEMPHIS, THUNESSEE

	AI	\$1.	54.	54.	54.	54.	55.	58.	58.	60	9	61.	63	63.	65.	66.	68.	71:	74.	76.	78.	80.	86.	86.	87.	91.	91.	92.	95.	96	98	98	8
	NI NI	-	•	4.	;		3	8		0	0	-		3	3		8	71.0	;	•	8	0	;	•	-	:	:	5	3	9		1.86	
	≥ 5/16	-	4.	4.	*	4.	2	8	8	0		-	3	3	3	9		-	*	•		0	•	9	-	-	-	2	2	. 9	-	98.1	9
	X AI	-																														97.4	•
	*	51.	54.	54.	54.	54.	55.	58.	58.	609	09	61.	63.	63.	65.	66.	68.	71.	74.	76.	78.	80.	86.	98	87.	91.	91.	92.	94.	98.	90	0000	10.
	X Al	51.	54.	54.	54.	54.	55.	58.	58.	60.	.09	61.	63.	63.	65	66.	68.	71.	74.	76.	78.	80.	86.	86.	87.	.16	91.	92.	94.	95.	96	96.8	10.
ES)	-	519	54.	54.	54.	540	550	58.	58.	000	000	619	69	63.	62.	.00	689	71:	14.	75.	77.	900	82.	650	87.	•06	06	920	63.	. 56	. 4	200	
VISIBILITY (STATUTE MILES)	VI 72	51.	54.	54.	54.	54.	55.	58.	58.	.09	.09	.19	63.	63.	65.	.99	68.	7.	74.	74.	76.	78.	83.	83.	85.	88.	88.	90.	91.	92.	92.	92.9	72.
IBILITY (ST	VI %1	51.	54.	54.	54.	54.	55	58.	58.	.09	60.	61.	63.	63.	65.	.99	68.	71.	74.	74.	76.	78.	83.	83.	85.	88.	88.	90.	91.	92.	92.	92.9	94.
XI X	71	51.	54.	54.	54.	54.	55	58.	58.	.09	.09	61.	63.	63.	65.	66.	67.	70.	73.	74.	76.	78.	83.	83.	83.	87.	87.	89.	89.	89.	06	800	30.
	≥ 2%	51.	54.	54.	54.	54.	55.	58.	58.	.09	60.	61.	63.	63.	65.	66.	67.	70.	73.	74.	76.	78	83.	63	83.	86.	86.	88.	89.	80	6	0.00	•
	۸I	51,	94.	54.	54.	545	54.	58.	58.	.65	.09	609	62.	62.	64.	65.	67.	69	72.	73.	75.	77;	82.	82.	83.	85.	85.	87.	87.	200	-	87.1	-
	۸I	51.	54.	34.	54.	54.	54.	57.	57.	58.	59.	.09	61.	61.	63.	65.	.99	69	72.	72.	74.	76.	81.	81.	81.	80	83.	84.	85.	200	œ	85.2	2
	M AI	-		*	;	54.	54.	57.	57.	58.	6		-	1.		65.	66.	69	2	72.	74.	76.	80.	80.	0	-	-	2.	3			83.2	:
	۸I	49.7	52.3	52.3		52.3			55.5		57.4	57.4	58.7	58.7	60.7	6119	62.6		67.1	67.7	69.0	71.0	74.2	-	74.8	76.1	76.1	76.8	77.4	77.4	77.4	77.4	
	۷۱ 5																																
CEILING	(FEET)	NO CEILING	> 20000	N 18000	2 16000	2 14000	> 12000	2 10000	0006 A		2 7000	0009 3			× 4000	> 3500	> 3000	≥ 2500	- 1	0081 ≤	- 1	> 1200	1000	% AI	800	2 700	009 1	> 500		38		8	1

0

TOTAL NUMBER OF OBSERVATIONS

155

93839 STATION

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93839 STATION

MEMPHIS, TENNESSEE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

JAN

03 HOURS (1.5.7.)

	٨١	48.	53.6	53.6	53.6	53.6	55.	56.	36.8		59.		61.	63.		65.8	69		74.			79.		85.	87.	89.		93.	94.	96.		97.	100
	% Al		3	3	53.6	3	2	. 9	56.8	6	59.4	•	-				0	2		*		6	83.9		-	89.7	-	8	94.8	•		4.16	1.86
	≥ 5/16		2.	2	52.3	2.	*				58.1	6			3							8		*			89.7	92.3	93.6	•	96.1		96.1
	% Al		2	2.	52.3	2					58,1		0		2.																		
	*		2.	2.		2	;	2.	3				0		2	4		-	2			8	82.6	•	•				3		8 . 46	8 . 76	
	% Al		2.	2.		2.	*	5	2	8	58.1	6	0	-	3	•	8	-	2			00	2			8	6	5.			*	*	*
(S	- -		2.	2 .	52.3	2	4	3	2	80	58.1	•	•		2	4		-		3		8	9539	*	•	88.4	89.7	5:	93.6	. 5		2 . 76	•
VISIBILITY (STATUTE MILES)	۷۱ ۲	7	2	2.	52.3	2	*	3	5.	00	58.1		0		~	*		-	2	3		80	2	4.	5	7	6	:	6.26	2.	200	•	2.
BILITY (STA	۲۱ ۲۲		2	2		2		3	5	8	58.1		0	-	2	4		-:	2	3	76.1	8			5	-		-	95.9			65.6	
VISI	7	2	2	2.		2	*	5	3	*	58.1		0		2.	3	-	0	. 2	3		-			*	9	1		90.3	.0	.0	.0	
	> 2%	4.	2	2.		2	*		5	100	58.1	6	0	•	2	*		0	8	2		-	81.3	en:	123			•		6	6		•
	۸I	2	2.	2.	2	2.		3	3	20	58.1	5	0		:		-		-	2.	*	0	80.0	-1	2	4	2	1.	87.7	7.	-	87.7	87.7
	4 Al	7.	2.	2.		2.	*	5	5		57.4	00	6		-	3	66.3		-	-	3	75.5	78.7	80.0	0	-	-	3.	83.2	3.		83.2	83.2
	S) Al	1.	2.	2.	52.3	2.	*	5.	55.5	2	57.4		59.4				5			0		3.	75.5	•	77.4	78.1	78.1	79.4	79.4	79.4	19.4	79.4	79.4
	۰ ۸۱	45.2	49.7	4.64	49.7	49.7	51.6	52.9	52.9	54.8	54.8	56.1	56.8	58.1	58.7	0.09	63.2	64.5	65.8	66.9	68.4	69.7	71.0		72.9	73.6	73.6	74.8	74.8	74.8	74.8	74.8	74.8
	5																																
CEILING	(FEET)	NO CEILING	≥ 20000		≥ 16000		≥ 12000		0006		7000		2000		4000		3000		7 2000		≥ 1500		1000		008 AI		009		7 400		> 200	91	٥

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

93839

0

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

06 HOURS (1.5.T.) NAU

	O Al	1067	52.						56.		59.	59.	60.	.09		63.					71.0	74.	78.		85.6						95.		
	۷I	6	2.	2.	2	2.	2	9	9	8	6	6	0	0	2.	6	3	9	-	-	-	*	8	2	3			3.		:	95.5		7
	≥ 5/16	64	50	52.	52.	52.	52.	56.	56.	58.	59.	59.	609	.09	62.	9	65.	66.	67.	67.	71.	74.	78	82.	85.	88	90.	92.	0	94.	95.		96.1
	Z Al																												93.6		95,5	1006	96.1
	*		52.3								59.4					63.9											8006	92.3	93.6	2.46	95.5	1 . 96	96.1
	% Al	6	.2	2	2	2	2	0	.0	8	6	6	.0	0	2	3	2	9	-	1	-	*	8	-	5	-	6		65.6	54	94.8		2
(S)	Ā	6	2	2.	2	2	2	0	•	80	6	6	0	0	2	3	2	9	-		-	*	8	7	5		6	-	5.	3.	84.2	5	
TUTE MILI	7	6	. 2	2	2	2	2	0	. 9	8	6	6	0	0	5.	3.	5	9	-	7	:	3	1.	.0	3	9		0	1.		91.6	-	:
VISIBILITY (STATUTE MILES)	71 77	6	52.3	2.	2	2.	2.	0		80		6		0	2	3.	3	. 9	-		-	3	1.		-				1:	-	91.5		-
NISIA	AI	6	52.3	0	10	2.	2	9	. 0	8		6		0			3	5.		-	0	2.	5.	82	-	4		80			89.0	0.68	
	12%	Ġ.	52.3	2	~	2	2	•	.0	•	6	0	0	o	-	•	*	10			0	2.	30	*	0		3	9	86.5			86.5	9
	۸I	8	51.6	:	51.6		2	3	3	7.	8	8	6		0	-		4	3	3	6		*	-	6	1.	3	0		3	85.2		5
	VI 4	47.1	50.3	0	0	50.3	-		54.5		57.4	7.	8	8	6	60.7		63.2	3	*	1	6	5	3	9	8		0	80.7		80.7	80.7	
	VI 20		49.7	6	6		50.3		53.6	2.	9	5		-	90	29.4	•	-		~			6	-	3	3		5	3	5	75.5	30	2
	۰ ۸۱	45.2	47.7	47.7	47.7	47.7	48.4	51.6	51.6	53.6	54.2	. 4	54.8	55.5	56.1	57.4	57.4	58.7	59.4	0.09	61.9	62.6	64.3	65.8	67.1	67.7	0.69	69.7	69.1	69.7	69.7	69.7	69.1
	۲۱ ا																																
CEILING (FEET)		NO CEILING	> 20000	N 18000	≥ 16000	≥ 14000	≥ 12000		0006 AI		> 7000	0009 AI	- 1	> 4500	- 1	> 3500		> 2500	- 1	7 1800	1	1200	1	0% AI			009	200		300		8	

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

600

76.1

80.

69.7

70.

54.8

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

MEMPHIS, TENNESSEE

73-7

3-77

DAN MONTH 09

٨١

57.4 72.3 70.3 51.6 57.4 86.5 54.8 57.4 62.6 63.2 69.7 76.1 80.0 83.2 87.7 49.7 50.3 60.7 67.1 80.7 60.7 67.7 ۸۱ 56.8 62.6 0.69 51.0 0.09 610 11.6 75.5 60.00 66.5 54.2 54.2 56.8 56.8 80.0 82.6 49.7 87.1 67.1 69.7 2 5/16 62.6 0.69 80.8 0.09 0.09 0.09 66.5 69.7 22 61.0 0.69 56.8 0.09 56.8 62.6 71.6 66.5 81.9 86.5 51.0 54.5 56.8 67.1 79.4 69.7 78.7 * 56.8 60.00 67.1 56.8 62.6 62.6 66.5 69 AI PERCENTAGE FREQUENCY OF OCCURRENCE 0000 67.1 0.69 54.5 56.8 96.5 69.7 <u>-</u> VISIBILITY (STATUTE MILES) (FROM HOURLY OBSERVATIONS) 60.09 62.6 0.09 61.6 66.5 67.1 71.0 54.2 56.8 56.8 78.1 81.3 78.7 69.1 62.6 71.6 56.8 56.8 56.8 0.09 0.09 61.9 66.5 67.1 60.0 54.2 80.7 VI 5 82.6 56.00 00.00 56.8 61.9 67.1 71.6 78.1 1.69 54.2 75.5 77.4 0.00 62.6 66.5 0.69 80.7 ۲ ۸ 19.4 0.64 71.0 74.2 39.4 29.4 61.3 61.9 66.5 4.89 76.8 65.8 0.69 50.3 56.1 56.1 56.1 76.1 80 1 2% 40.87 70.87 59.4 78.1 76.1 65.8 80.0 56,1 61:3 65. .09 ΛI 48.4 0.64 55.8 52.9 55.5 58.7 65.2 72.9 74.8 76.1 77.4 78.1 79.4 80.0 52.9 60.0 67.1 74.8 49.7 64.5 58. 67.7 60. 69.7 ۸۱ 73.6 74.8 3.6 74.8 48.4 54.2 39.4 63.8 65.8 72.9 73.6 63.2 65.2 54.2 54.2 58.7 ۸۱ 56.9 55.20 61.9 600 68.4 46.9 46.5 50.3 61.9 67.7 68.4 68.4 0.69 46.5 52.9 60.7 60.7 0.69 50.3 AI 2 Al NO CEILING VI VI 18000 1 VI 16000 (FEET) 3500 2000 1500 8 8 × 20000 Y 14000 8000 7000 2000 4500 88 88 88 88 AI AI AI AI ALAI AI AI ALAI AI AI ALAI AI AI AI AI AI AI AI AI

TOTAL NUMBER OF OBSERVATIONS

90.3

80.

74.8

80

AIA

0

0

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

93839 STATION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12 HOURS (L S.T.) NAL

	AI	41.	48.	48.	48.	.64	52.		54.			58.		61.					73.					85.			93.			66		0
	× 1	41.3	8			6	2	2	*	•	.9	8	6	=	5	3	6	3		8	6	3	*	2	87.7	89.7	•	95.5	8	6	0	0000
	≥ 5/16	41.3	003	8	8	6	52.9	2	4.	.9	9		0	-	2	5	6	2	100	8	6	-	3	*	-	6		4		8	98.71	8.7
	Z AI	41.3	8	48.4	00			5	*	9	. 9	8	6	-	2	2	6	2	m	8	6	-	3			0	2	*		8	98.7	98.7
	*	41.3	48.	48	48.	49.	52.	52.	54.	56.	56.	58.	59.	61.	62.	65.	69	72.	13.	78.	19.	81.	83.	84.	87.	89.	92.	94.	96	98.	98.	98.
	% AI	41.3	83	48	48.	49	52.	52.	54.	56.	56.	58	59.	61.	62.	65	69	72.	13.	78.	79.	81.	83.	84.	87.	68	92.	. 46	96	98	96	98.
ES)	- AI	4103	8 %	48.4	484	49.	52.	520	54.	56.	26.	58.	59.	01.	62.	620	69	12.	13.	78.	19.	61.	63	4 20	87.	6 8	92.	94.	96	96	9	•
VISIBILITY (STATUTE MILES)	¥1 ¥	41.3	68	48	48.	64	52.	52.	54.	56.	56.	58.	59.	61.	62.	65	.69	72.	3.	78.	79.	81.	83.	84.	87.	89.	0	94.	95.	96		0
IBILITY (ST	¥1 ¥1	41.3	6.4	48	48.	49	52.	52.	54.	56.	56.	58.	.65	61.	62.	65.	69	72.	73.	78.	79.	81.	83.	84.	87.	88.	91.	63	. 76	95.	.56	5
N N	N Al	41	4.8	48	48.	49.	52.	52.	54.	56.	56.	58.	59.	61.	62.	65.	69	72.	3	78.	79.	20	83.	50	86.	87.	89.	91.	91.	91.	16	91.
	2 2%	4 4	8	48.4	48.	64	52	52.	54.	56.	56.	58	59.	61.	62.	65.	69	72.	73.	78.	79.	81.	83.	83.	86.	87.	89	90.	.06	90.	0	0
	N AI	4 4	24	48	48.	64	52.	52.	54.	56.	56.	58.	59.	61.	62.	65.	69	72.		77.	78	80.	81.	91.	83.	83.	85.	87.	87.	-	-	
	VI.	41.	00	48.4			2	2	*	. 9	56.	58.	59.	61.	62.	65.	69	72.	73.	77.	78.	80.	0	-	-	-	60		*	84.5	84.5	
	AI	41.3		47.7	47.7	49.0		52.3	54		56.	57.	58.	60.	610	64.	68.		72.3	76.			78.1	78.7	79.4	79.4	80.7	80.7	80.7	80.7	80.7	80.7
	41	40.7	4.7.	47.1	47.1	47.7	51.0		52.9	54.2		55.5	56.8	58.7	59.4	61.9	65.8	69.0	69.7	73.6	74.2	75.5	75.5	75.5	75.5	75.5	76.1	76.1	76.1		76.1	76.1
	5 4			-				۲.						•				•	•											.,		. 7
CEILING	(FEET)	NO CEILING	A 1800	14000	> 14000	> 12000		0006 AI		2000		2000	1	1 400		3000		7 2000	7 1800	2 1500		1000		8		8		400		30	8	0

0

430

3

3

1

0

0

TOTAL NUMBER OF OBSERVATIONS

SMOS DIRNAVOCEANMET

57.4 57.4 57.

57.4 0.09

57.4

57.4 57.4

51.6

51.6

51.6

54.8 54.8

57.4

24.4 27.4 60.0 60.0

9119

51.6

51.6

49.7

51.6

5106

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

63836

MEMPHIS, TENNESSEE

PERCENTAGE FREQUENCY OF OCCURRENCE

HOURS (L S.T.)

ZAC MONTH 15

(FROM HOURLY OBSERVATIONS)

٨١ /ISIBILITY (STATUTE MILES) ۷۱ ۲ 38.7 7

Y 21/2

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Al

17

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2 Al

CEILING (FEET)

NO CEILING

≥ 20000

38.

46.5

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46.5

46.5 46.5

46.5

46.5

46.5

46.3

46.5

46.5

46.5 46.5

•

VI VI 00081 00081

51.6 51.6 51.6

51.6

49.7

47.1 51.6

0.65

46.5

.

Y 1 4000

45.8

57.4 57.4 57.4 57.4 57.4 54.8 54.8 0.09 61.9 0.09

57.4 0000

57.4

56.8 56.8

56.1

54.2

51.0 53.6

1

000 000 000

AI AI

•

ALAI

51.0

60.0

60.0 61.9

58.7 60.7

56.1

•

9000

59.4

65.2

63.2

61. 63. 66.

4500

67.

65.2

•

3500

65.5 70.3 67. 65.2 67.7

74.6 70.3 74.2 70.3 61.9

70.3

70.3

70.3

70.3

70.3

70.3

67.07

74.2

76.1

76.1

76.1

74.2

74.2 76.1

76.1

67.

67.7

67.7

61.9 61.

61.9

0.09

0000 619

0000

610 65.2

65.2

65.2

65.2

67.7

76.1 77.4 76.1 76.1 65.2 67.7

74.2

74.2

71.0

0.69 1.0

70.3

76.1

76.1

79.4 83.2 77.4 19.4 77.4 79.4

83.2 83.2

79.4

78.4

75.5

73.6

1800

AI AI

2.3

. .

2500

ALAI

82.6

78.7

16.1 76.8

.

1200

ALAI

88

ALAL

AI AI

85.2

80.0

88.4 91.6 87.1

. 68 87. 83.2 86.5

92.3

93.6

95.5

93.6

93.6

96.8

8.96

8.96

96.8

96.8

94.8

87.7 87.7

89.4 88.4 92.3 92.3

88.4

88.4

87.7

92.3

4.61

4.64

4.1

89.0 86.5 90.3 89.0 89.0 85.2

80.0 82.6 82.6 82.6 81.3 77.4 75.8 78.7 78.7 78 78. • •

. • 88 88 88

AI AI

AI AI

AI AI

89.0

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

1.8 HOURS (1.5.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

Celling Part	CEILING						VISI	VISIBILITY (STATUTE MILES)	NTUTE MILE	(5:						
49.0 44.0 45.0 45.0 45.0 45.0 45.0 45.0 45.0 45.0 45.0 53.0 <td< th=""><th>(FEET)</th><th></th><th>43</th><th>4</th><th></th><th></th><th>The state of the s</th><th></th><th>-</th><th>Ā</th><th>1000</th><th></th><th></th><th></th><th></th><th></th></td<>	(FEET)		4 3	4			The state of the s		-	Ā	1000					
51.6 52.3 53.6 53.6 53.6 53.6 53.6 53.6 53.6 53	NO CEILING			3	2	5	3	5		2.	5	3	45.	45.	45.	3
11000 51.6 52.3 53.6 53.6 53.6 53.6 53.6 53.6 53.6 53	> 20000	_			3	(1)				3	3		53.	53.	53.	5
10000 51.6 52.3 52.9 53.6 53.6 53.6 53.6 53.0 53.6 53.6 53.6 53.6 53.6 53.6 53.6 53.6						3		3		3.	3	3	53.	53.	53.	5
10000 52.8 52.9 54.2 54.3 55.3		_		3		**		3.	6	3	3	3	53.	53.	53.	-
13000 53.6 54.2 55.8 55.8 55.5 55.8 55.5 55.5 55.5 55	> 14000			4	3	4	3		*	*	*	;	54.	54.	54.	8
10000 54.8 55.5 56.8	> 12000	_			3	5	-	3		3	2	3.	55.	55.	55.	5
96.1 56.2 56.2 65.2 <th< td=""><td></td><td></td><td></td><td>.0</td><td></td><td>.0</td><td>9</td><td>9</td><td>9</td><td></td><td>9</td><td>9</td><td>\$6.</td><td>56.</td><td>56.</td><td>5</td></th<>				.0		.0	9	9	9		9	9	\$6.	56.	56.	5
8000		_					*			8	8	8	58.	58	58.	5
7000 61.3 61.9 63.2 65.2 65.2 65.2 65.2 65.2 65.2 65.2 65	1			-	:	-	-	-	-	-	-	-	61.	61.	61.	9
50.00 62.2 63.2 65.2 65.2 65.2 65.2 65.2 65.2 65.2 65		-				-				3	m		63	63.	63.	•
5300 63.2 63.9 65.8 65.8 65.8 65.8 65.8 65.8 65.8 65.8	1			5	3	3	5	5	5	2	2	2	65.	65.	65.	9
4300 63.2 63.9 65.8 65.8 65.8 65.8 65.8 65.8 65.8 65.8		_			10	5			5	3	è	5	65.	65.	65.	65
5500 68.4 69.7 71.6 71.6 71.6 71.6 71.6 71.6 71.6 71	1			5	5	3	3	5	5	2	3	5	65.	65.	65.	65
3300 68.4 69.7 71.6 71.6 71.6 71.6 71.6 71.6 71.6 71					0	6	6		6	6	6		69	69	69	69
3000 69.0 71.0 72.9 72.9 72.9 72.9 72.9 72.9 72.9 72.9	1			-	-	-	-	-	-	-	-	-	7	71.	71.	-
70.3 72.3 74.8 74.8 74.8 74.8 74.8 74.8 74.8 74.8		-		2	N	~	2	2	2	2	2	2	72.	72.	72.	72
73.6 75.4 76.1 78.7 78.7 78.7 79.4 79.4 79.4 79.4 79.4 79.4 79.4 79	1		72.3	4	4	*	*	3	*	*	*	;	14.	74.	74.	-
1500 74.8 77.4 80.0 80.0 80.0 80.7 80.7 80.7 80.7 80.7		_	76.1				6		6		6	6	19	79.	40.	-
1200 74.8 77.4 80.0 80.0 80.0 80.7 80.7 80.7 80.7 80.7			77.4	0	0	0	0	0	0	0	0	ò	80.	80.	80.	00
78. 1 81.3 84.5 84.9 84.5 85.2 85.8 85.8 85.8 85.8 85.8 85.8 85		_	77.4	0		0	0	0	0	0	0	0	80.	80.	80.	8
78.7 81.9 87.1 88.4 88.4 89.7 89.7 89.7 89.7 89.7 89.7 89.7 89.7	1	-	81.3	4	4	4	3	5	5	3	3	3	85.	85.	85.	00
78. 7 82.4 87.7 89.0 89.0 89.7 90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3		_	81.9	-							6	6	89	68	89.	0
78.7 83.2 88.4 89.7 90.3 91.0 91.6 91.6 91.6 91.6 91.6 91.6 91.6 91.6		1 -			6	6	6	0	0	0	0	0	06	90.	90.	0
78.7 83.2 89.0 90.3 91.0 91.6 92.3 92.3 92.3 92.3 92.3 92.3 92.3 92.3	-	_			6	0	-	-	:	-	-	-	01.	91.	91.	0
300 78.7 83.9 89.7 91.6 92.9 93.6 94.2 94.2 94.2 94.2 94.2 94.8 94.8 94.8 94.8 94.8 94.8 94.8 94.8 95.5 95.5 95.5 95.5 95.5 95.5 95.1 96.1				6	0	-	-	2.	3	2.	2	2	92.	92.	92.	0
300 78.7 83.9 89.7 91.0 91.0 94.2 94.8 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95.1 96.1		_			:	-	. 2			*		;	94.	94.	94.	0
78.7 83.9 89.7 91.0 91.6 94.8 95.5 95.5 95.5 95.5 96.1 96.1 96.1 96.1 96.1 96.1 96.1 96.1					-	-	3	*		*		*	94.	94.	. 76	0
300 78.7 83.9 89.7 91.0 92.3 94.8 95.5 96.1 96.1 96.1 96.1 96.1 96.1 96.1 96.1 96.1 96.1 98.1 98.7 99.410 100 78.7 83.9 89.7 91.0 92.3 94.8 95.5 96.1 96.1 96.1 96.1 96.1 98.1 98.1 99.410 0 78.7 83.9 89.7 91.0 92.3 94.8 95.5 96.1 96.1 96.1 96.1 96.1 98.1 98.1 99.410		_			-	-			3	5	3	3	96	96	96	•
200 78.7 83.9 89.7 91.0 92.3 94.8 95.5 96.1 96.1 96.1 98.1 98.1 99.410 100 78.7 83.9 89.7 91.0 92.3 94.8 95.5 96.1 96.1 96.1 98.1 98.1 99.410		78.7			-	2	3	5	0		0	•	98.	0		0
100 78.7 83.9 89.7 91.0 92.3 94.8 95.5 96.1 96:1 96:1 98:1 98:1 99:410		78.7			-	2		3	•	•	9	•	98.	98.	98.	0
0 78.7 83.9 89.7 91.0 92.3 94.8 95.5 96.1 96.1 96.1 96.1 98.1 98.1 99.410		78.7			1:	2.	. 5	3	.0	9	;	9	98.	98.	66	0
		78.7	•		-	2	4	5		•	•	•	98.	98.	0	0

155

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

JAN

21

CEILING							VISII	VISIBILITY (STATUTE MILES)	TUTE MILE	ŝ						
(FEET)	N 70	9 Al	ss Al	4	N AI	≥ 21%	7	VI %1	¥1 %1	71	% AI	*	2 11	≥ 5/16	AI	٥
NO CEILING			2.	2	2	2	2	2	2	2:	2.	2.	2	2.	2.	2.
> 20000		56.1	56.8	56.8	56.8	56.8	30.00	56.8	56.8	56.8	56.8	56.8	56.8	56.3	56.8	56.8
		-	0	9	0	9	9		9	0	9	9	0	9	•	0
N 16000			;		;	9			•	•	•	•		•	;	•
			0	6	0	9	9	9	9	0	0	0	6	.0	•	0
12000		56.1									.0	•	56.8	9	;	0
			6	0	6	6	6		6	6	6	6			6	59.4
900				6	6			6	6	6		29.4	5	6		
1			3	63.9		46		3		3		3.		3		63.9
7000			*	5	2	5	2	5	5	3	2	5	2	5	3	65.2
			5	3	5	3	5	3.	5	3		5		50		
2000			3			5		5		5	3	65.8			è	65.8
1			5	5	5	3	3	3	5	3		5	2	5		65.8
000		-	6	69.7	6	6		6		6	6	6	6	6	6	69.7
1		-	-	2.	2.	2.	2	2	2.	2	3	2.	2.	2	3.	
3000		-		74.2	4	4	;	*	4	*	*	;	*	*	*	74.2
1		-	3	74.2		*	*		3							*
≥ 2000		74.8	77.4	78.7	8	8	8	8	8	8			8	8	8	78.7
			19.4	0	0	0	.0	0	0	0	0	0	0	0	0	80.7
N 1500		76.1	6	80.7	0	0			0	0	-	=	-	-	:	81.3
			81.3	2.	3			3.	3	6		3.	3			83.9
2 1000		78.1	3	2	9	•	•		•	•	-	-	-		-	87.1
		78.7		.0	-	2	7.	1.	1.	1	8		8	8	8	
00 AI		80.0	3		6		6			0	-	-	:	-	=	
			85.2	89.0	0	0	0	-	-	-	-	:	-		-	
9		80.0	*	0	:	-	-	2	2	2	6	93.6	93.6	3	•	3
			3	-	2.	2	2			6	*			4	;	
2 400			85.8	1.		*		3		5		96.8	97.4		97.4	97.4
		80.0	5.	91.6			*	3	5	2	0		4.16		-	
700			85.8	91.6		*		2	3	5	;	9	4.16		-	97.4
801 71		80.0	85.8	91.6	93.6	4	•	2	1.96	36.1	97.4	4.16	98.1	98.1	98.1	4.66
0		-	85.6	91.6	93.6	*	*	2			4.16	4.16	98.1		8.1	100.0

0

TOTAL NUMBER OF OBSERVATIONS

155

93839 STATION

0

40

0

0

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

93839 STATION

73-77

ALL HOURS (LST.) JAN HOMTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	_		•	0		N	3		_	0	•	-	•	2	_	-	O	-	-	N	-	-	-	•	_	-			61	7	KT	_	0
	٨١	46.	51.9	51.9	51.5	52.2				58.6				62.6	65.1		69.5	-		75.2		80.3		85.9		90.1				96.6	97.	99.0	100
	× AI		-	-	-	2.	3	3	;	8	6	•	-	2.	2	•		-	;	2	:	0		2.	8	0	-	3	2	96.6			98.0
	5/16	9	-		-	-	3	5	5		6	.0	-	2.	*	.9	.6	-	10	*	7	0	. 4	5.	-	6	-	3	;	6.96	-	•	
	% %	0																												96.2		.,	•
,	*	2.9	1.7	1.7	1.7	1.9	3.2	5.7	5.8	8 • 6	4.4	2 0	1.7	2.3	4.8	6.5	0.6	1.1	3.0	4.9	7.0	7	4.1	. 5	7.7	1.6	1.2	3.2	4.6	2.1	6.3	0.0	0 . 0
	× AI	6.2	1.7	-	1.7	6.1	3.2	5.7	5.8	8.	1.6	0.2	1.7	2.3	2.4	6.5	0.6	1 . 1	3.9	6.4	7.0	0.1	4.0	5.4	7.6	9.6	1.1	3.2	4.3	5.69	7.9	0.0	0.0
	-	~			-	0	2		8			2 :				·	0	7.	0		6	0	8	2	7.3	7.6	0.0	2.5	3.6	6 4 6 4	8 . 4	6.4	6.4
TE MILES)	7.	~				0	2	. 1 5	3.	0	.7 5	.20	0	0	30	0	0	1.	3	2.	8	. 7.	.5	3	3	.7 8	7.	6	0.	3.6 9		20	0
VISIBILITY (STATUTE MILES)	الا الا	.2 4	30	, t	. 7 5	.9 5	.2	. 7 5	.8 5	.6	.7 5	.2 6	. 10	.3 6	9 80 .	.5 6	0.	.17	.8	8.	.8	.77	.48	. 7 8	. 7 8	.68	6	6 9.	. T 9	6 8 6	.5	. 5	
VISIBILIT	AI ~	4	30	3	20	ຮ		30	10	5	i	2 6	9	3	9	4	9	2	2	2	7	-	7 8	40	4	8	8	6	1 9	66 4.	0	0	0
	Ä	4		3	5			50	10	50	30	9	9	0	9	0	0	~	-	-	-	1	00	œ	œ	8	æ	0	0	161	0		1
	Y 2%	40	51.	51.	51.	51.	53.	55.	55.	58.	59.	.09	61.	62.	64.	.99	.89	70.	73.	74.	76.	79.	82.	83.	8 3	86.	87.	89.	89	89	89.	89	89.
	ε Al		-	-	:	1.	5.	5.	5	8	6	0	-	2.	3	5	8	0	3	*	5	00	-	2	4	5	•	-	8	88,2	00	æ .	
	4 Al	5	1.	-	-	1.		3.		7.	6	6	-	-				6	2	3	3	7	0		2	3	4		5.	85.6	5	10	2
	ss Al	5	0				52.2			57.3								68.4	70.9	71.9		75.7		78.2	18.1	79.5	79.9	80.7	80.7	80.7	80.7	30.7	80.1
	۰ ۸۱		49.6				50.8			55.9			58.3		60.8		0.49		67.8			71.9		73.7	3			78.5	5		75.6	75.6	15.6
	5			143		-					•	143			101	70	101		173			101					•	.3			•	•	
CEILING	(FEET)	NO CEILING	≥ 20000		> 16000		≥ 12000	V 10000	0006 X		> 7000		2000		4000	1	3000	1	7 2000		> 1500	N 1200	> 1000	0% AI	008		0 AI		N 400	300		8	

TOTAL NUMBER OF OBSERVATIONS

1240

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

73-77

YEARS

HONTH

3

FEB

)	(FROM	HOOK	ורץ ספ	SERVA	HOURLY OBSERVATIONS	(4						
CEILING						VISI	IBILITY (ST.	VISIBILITY (STATUTE MILES)	(S)						
ΛI	٥ ١	N AI	VI 4	es Al	Y 21/4	N Al	۲۱ ۶۲	۷۱ ۲	Ā	% Al	∦ ∧I	% Al	> 5/16	X Al	0
NO CEILING	53	2 55.	56	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
N 20000	57	-		61.	-	61.7	61.7	61.7	61.7	-	61.7		61.7	61.7	61.7
	57	59.	9		61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
16000	57	-	61		61.7		61.7	61.7	01.7	61.7	61.7	61.7	61.7	61.7	61.7
	57	.5 59.6	19	61.7	61.7	61.7	61.7	61.7	0107	61.7	61.7	61.7	61.7	61.7	61.7
12000	57	9 59.		61.7	61.7	61.7	61.7	61.7	01.7	61.7	61.7	61.7	61.7	61.7	61.7
	09	70	63.8	64.5		64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
0006	9	-	63.8	•	64.5		64.5	64.5	04.5	64.5	64.5	64.5	64.5	64.5	64.5
-	63	-		9		68.1	-	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
7000	99	-	68.8			69.5	69.5	69.5	69.69	6	69.8	69.5	69.5	69.5	
-	69	m		70.	0	70.2	0	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
2000	99	68.	70	-	70.9	70.9	70.9		10.9		70.9		70.9	70.9	
	99	0	70.	-		11.0	71.6	71.6	11.6	71.6	11.6	71.6	71.6	71.6	71.6
4000	69	1 70.		73.	73.8	73.8		73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
	70	N			78.9	75.9	75.9	15.9	75.9		3	75.9	78.9	75.9	75.9
3000	71	•	77.3	78.	78.0	78.0	78.0	78.0		78.0		78.0	8	78.	78.0
-	73	60	4 79.4	80.	60.08	80.9	80.9	80.9			80.9	0			80.9
2000	73	æ		œ		80.9		80.9	80.0	80.9	80.9	80.0	80.9	0	80.9
	73	.8 77.3	4.64	80	80.9	80.9	80.9	0	0	0	80.9	0	60.08		80.9
1500	74	-		82	82.3	83.0	83.0		0.63			83.0	3	83.0	83.0
	78	8			87.2	87.9	87.9	1.	61.0	-	87.9	-	-	87.9	87.9
1000	80	.9 85.8		90.	90.8		91.5	-	-	91.5	91.5	-	91.5	91.5	91.5
	80	88			8.06		92.2			2.	92.2		92.2	92.2	92.2
008	80	0	90.1		92.2	1			93.6	93.6	93.6		93.6	93.6	93.6
	28	643			95.0	96.5	97.2	97.2	97.2	97.2				97.2	97.2
009	8	(7)	93.6	03.		97.2		97.9		6.26	97.9	97.9	97.9		97.9
	82	673	93.6		95.7	97.2	98.8	98.0	986	98.6	98.6			98.6	98.6
400	82	7	6.46	96.5			66.3	8.66		99.3	99.3	99.3		99.3	99.3
	82	-	6.46	96.5	96.5		66.3	99.31	0000	100.0	100.0	100.0	100.0	100.0	100.0
200	82.	.3 90.€	94.3	0	96.5	61.6	99.3	9.3	0	0,0	100.001	9	0.0	100	0100.0
901	82	0	€ 96	6.96	96.5	61.6	66.3	99.3	10000	100.0	10000	0.0010	100.00	000	0100.0

TOTAL NUMBER OF OBSERVATIONS

141

93839 STATION

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

HOURS (L S T.) FEB

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VISIN	BILITY (STA	VISIBILITY (STATUTE MILES)	S		,				
(FEET)	5	۰ ۸۱	\$ AI	4	es Al	N 2 %	7 Al	Y1 %1	۷۱ ۲۰	- AI	% Al	*	Z AI	≥ 5/16	NI NI	O AI
NO CEILING			50.4	51.1	53,2	53.2	53.2	53.2	53.2	23.2	53.2	53.2	53.2	53.2	53.2	53.2
3007			6		8		8		8	•			0	28.	0	2005
18000		23.5	25.3	20.0		200	œ.		*	2000				200		58.2
2 10000			3	_	0	20	8			•-	8	•		28.		2005
N 14000				56.0	80	58.2			3		8	8	8	58.	•	
≥ 12000			2	56.0		58.2		*		58.2			8	58.		58.2
		54.6		58.2	0		0	0	0	•	0			.00	•	6003
0006		55.3		58.9	-	61.0	-	-	-	010	-	-	-	61.		61.0
		56.7			3				6	3	3	63.1	3	63.		63.1
> 7000		58.2	-	62.4		64.5	64.5	+	*	*	*		64.5	64.	64.5	64.5
		58.2	61.7	2.	4	4	;			3		•	*	64.	:	64.5
2000		58.9	62.4	63.1	3	65.3		5	3		3	3	2	65.	3	65.3
		59.6	63.1		•	9		0	.0		5	.0	.0	.99	9	
4000		63.1	66.7	•	0	70.2		70.2	70.2	0	0	70.2	0	70.	70.2	70.2
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		67.4	71.6	73.8	0		.0			1606	•	•	.0	76.		76.6
> 2000		70.9	76.6		-	-	-	-	-	-	-	-	-	81.		
V 1800		71.6	77.3	4.64	2.		2	82.3		82.3		82.3	2.	82.	82.3	82.3
- 1		72.3	78.0	80.1		175	83.7		83.7	3		3		83.		
> 1200		75.2	80.9	83.7	87.9	88.7		88.7		88.7	88.7	88.7		88.	88.7	88.7
		76.6	83.0		0	-	-	-:		-		-	-	91.	-	91.5
8 AI		76.6			-		2	65.6	3	656	92.9	•		92.		92.9
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0

TOTAL NUMBER OF OBSERVATIONS

141

93839 STATION

MEMPHIS, TENNESSEE

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

93839 STATION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

06 HOURS (1.5.7.) FEB.

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TOTAL NUMBER OF OBSERVATIONS

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51.1

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53.2

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58.9

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2 5/16

2 A 46.8

46.8 46.8

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

93839

HOURS (L S T

FEB 60

> PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

Al

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Al

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(FEET)

NO CEILING

≥ 20000 18000

79.4 53.2 53.9 80.9 58.9 53.2 55.3 55.3 73.1 85.1 46.8 51.1 51.1 61.7 66.7 68.8 AI 800.0 68.8 ٨١ 6000 66.7 ٨I 54.0 55.3 55.3 58.2 58.9 58.9 79.4 80.9 68.0 61. 99 ۷۱ ۲ 52.5 53.2 46.8 61.7 80.1 80.9 53.2 0.99 61.0 7 11 51.8 52.5 9.65 64.5 000 1 2% 51,1 51,1

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66.7 67.4 .99 68. 80 88 88 88

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12 HOURS (LST.) FEB

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TOTAL NUMBER OF OBSERVATIONS

141

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPIIS, TENNESSEE

93839

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1 5 NOURS (L S T) FEB

CEILING																	
(FEET)	5	9 11	87	AI	e Al	2 2%	1 2	YI %	VI N	Ā	% Al	*	VI &	1 8/1	AI 91	1	AI
NO CEILING		50	9	0	46.	.0	9	46.	0	0	46.	40.	40.	2	3	7.	
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		-	2.	2	52.	2.		52.	2.	2	52.	52.	52.	~	80	.5	
2 16000		:	2	52.3	52.	2		52.	3	20	52.	52.	52.	8	S		52.
2 14000			2.	2.	52.	~	2.	52.	2	20	52.	52.	52.	S	80	5	
2 12000			2	~	52.	2		52.	2	2	52.	52.	52.	5	50	5	
			9	.0	56.	0	9	56.	.0	9	56.	56.	56.	5	3		
0006				-	57.	-	-	57.		-	57.	57.	57.	S	80		
1			0	0	609	0	å	00	0	0	609	909	60.	0	0		
700				0	60	0		09	0	0	00	•09	.09	0	•	3	
			-	-	61.		-	61.	-	-	61.	61.	61.	0	9	0	
2000			-	-	61.	-		61.	-	-	61.	61.	61.	0	0	0	\$1.
		61.0	3		63.	500		63.	3	3.	63.	63.	63.	0	8 63	8	53
4000			5		.09			.99		9	99	99	.99	0	9	. 1	\$6
				-	67.	-	8	68.	8		68.	68.	68.	9	S	70	58.
3000				5	75.	5	10	75.	3	5	75.	75.	75.	~	-	•	3
		73.1	9		78.	0	ò	80.	0	0	80,	80.	80.	0	0	7.	0
≥ 2000			-	2	83.	*	-	85.	3	5	85	85.	85.	3	40	7.	35
			2		84.	120	2	85.	5	2	85.	85.	85.	00	00	00	35.
1500				*	80.		-	87.		-	87.	87.	87.	80	00	0	37
				5	87.	8		89.	6	0	89.	89.	68	00	60	4	39
1000			5	*	92.	-	3	95.	3	2	95	95.	95.	0	0	0	35
			2	6	.26	*		95.	3	3	95.	95.	95.	0	0		35
8			•	0	93.	*		97.	-	-	.26	97.	97.	0	0	.2	7.
			2	0	. 76		2	97.	-	-	.76	97.	97.	0	0	0	7
000		-	-	0	94.	5	:	97.	-	-	97.	97.	97.	0	0	0	7.
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		81.6	-	0	6.46	96.5	66.3	66.3	66.3	666	99.3	66.3	66.3	.66		100	66
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8		81.6	87.2	800	94.		6	66	6		66	66	66	66	310	9	
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TOTAL NUMBER OF OBSERVATIONS

141

0

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

18 HOURS (1.5.7.) FEB

							VISIV	VISIBILITY (STATUTE	ATUTE MILES	(5)						
(FEET)																
	2	%	\$5 A1	AI	es Al	1 2%	~ Al	VI %	7	Ā	% Al	*	Z Al	2 5/16	× Al	٥
NO CEILING	•	41.	42.		3.	13	4	4		4		4.	4	4		
> 20000	•	52.	53.	*	4	100	. 9	0		9	9	26.0	. 9			
≥ 18000		53.	53.	3	5	•	.0		.9		.9	.9	.9	9	•	96.7
		53.	53.		3		. 0	9	.0		.0	. 9		;		
N 14000		53.	54.	.0	0	0	7.	1.	2				-	-		
≥ 12000	. 7	56.	56.	58.5						6	0	6	6	6		59.6
Y 10000		.09	61.		2.	3	3	3.			3.	3.	3		•	
		.09	61.		2.		3		3	3	3	3	3	3.		63.8
> 8000	. 7	63.			65.3	0.99	. 9			6697	66.7	2000	66.7	66.7	66.7	66.7
1		63.	63.		5	•	.9		•	•		•	9	9	9	66.7
		64.	66.		7.	00	8	8	8		8	8	3	8		68.8
> 2000		64.	66.		8		6	6	6	6	6	6	6	6		69.5
	. 7	66.	68.		6	0	0	0	0		0	0	0	0	•	0
7 4000	. 7	68.	70.	72.3			3.		3	3	3	3.	3	3	•	73.8
		71.	73.		5	3	9	9	9	•	.0	9			.0	76.6
> 3000		73.	76.		8	30	6		6	5	6			6	6	19.4
			81.		3	100	*		3		*		*	4	4	84.4
> 2000		78.	83.		3.				•	9		86.5		9		86.5
7 1800		78.	83.		5.		•	. 9		9		9	0	.9		86.5
1500	. 7	79.	85.		-	2	8		*	8	8	8	8	8	8	88.7
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		•	5		95.7	•		63.3		77.3	0.0	00.001	0	0	0000	0001

TOTAL NUMBER OF OBSERVATIONS

141

288

0

70.2

70.2

70.2

72.3

68.8

68.8

65.3

857

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

SETPLIS, TENNESSEE

93839

21 HOURS (LST.) FEB.

57.5

AI

1 ٨١ 61.7 61.

62.4 65.3

61.7

61.7 61.

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YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

65.3 61.0 61.7 65.3 70.2 72.3 62.4 62.4 68.8 70.2 61.7 89.4 89.4 89.4 ≥ 5/16 61.7 68.8 68.8 68.8 70.2 70.2 70.2 61. 2 Al 65.3 8006 65:3 65:3 65:3 61.0 97.2 70.2 78.7 85.8 74.5 85.1 83.7 91. 9 * ٨١ 65.3 65.3 70.2 9 61. ٨١ 97.2 70.2 4.60 68.8 8006 61.7 70.2 72.3 85.8 74.5 78.7 78.7 85.1 61.7 63,7 ٨١ VISIBILITY (STATUTE MILES) 65.3 70.2 90.66 70.5 97.8 72.3 74.5 78.7 61. 61. 61. VI 7 65.3 8.06 68.89 70.2 4.68 0.56 65.3 70.2 72.3 78.7 95.7 85.1 61. 61. 61. ۸۱ 8.06 95,0 65.3 8000 96.5 68.0 70.2 70.2 2.3 4.5 65.3 78.7 76.7 61. 83.7 ۸۱ 70.2 78.0 69.3 93.6 68.8 95.0 70.2 86.5 7.68 62.4 85.1 88.7 61. 34.4 61. 2 2 1/2 14.5 78.0 68.8 70.2 78.0 92.1 70.3 92:4 6.46 86. . 38 84. 85. ۳ ۸۱ 76.6 64.5 69.8 76.6 81.6 83.0 4.68 61.0 61.0 69.5 70.9 84.4 86.5 91.5 83.7 85.8 73.1 64.5 68. 90.1 ٨١ 81.6 75.2 83.0 63.8 69.3 85.1 87.2 68.1 84.4 60.3 61.0 63.8 0.0 60.3 80.1 60.2 68.1 88.7 999 ۰۵ ۱۸ 58.2 0.99 66.69 73.1 78.7 78.7 79.4 80.9 83.0 67.4 83.0 80.1 64.9 999 8 61. 61. AI

85.1 85. 99.4 8.06 87.2 85.8 78.7 83.7 87.2 8.06 78.7 83.7 85.1

95.0 61.6 95.7 97.2 95.0 95.7

99.3 86.3

866

666

66.3 66.3

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97.2

96.5 6.96

92.

1.06 90.8 90.0

84.4 34.4 84.4 84.4

88

AI AI

84.

80

AI AI

88

ALAE

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88

ALAI

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TOTAL NUMBER OF OBSERVATIONS

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DIRNAVOCEANMET

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CEILING (FEET)

NO CEILING

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AI AI

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4500 4000

AI AI

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2500

1500

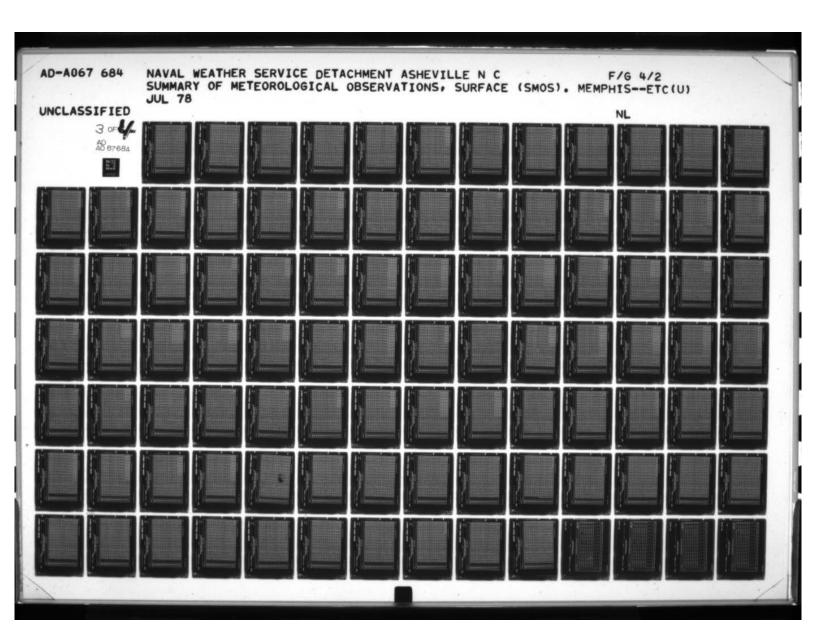
ALAI

90

AIAI

88

ALA



305

AD A0 67684



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-7

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

PERCENTAGE FREQUENCY OF OCCURRENCE

FEB ALL HOURS (LST

				=	FROM	(FROM HOURLY		SERVA	OBSERVATIONS						5 SHOOM	
CEITING							VISI	VISIBILITY (STA	(STATUTE MILES)	(\$;						
(FEET)	2	%	so Al	AI	e Al	> 21/2	Al	۲۱ ۲۲	YI %	- AI	% Al	*	Z Al	≥ 5/16	× AI	0 11
NO CEILING	*	45.4	47.0		8		100	8	8	8		48.7			48.8	
≥ 20000	•	51.2	1	53.8	54.3	54.5	. 3	54.8	54.6	55.0	55,0	55.0		5	55.1	55.1
	3.	51.3	53.2	54.0	4.		. 3	5	5.	•		55.1			55.2	
≥ 16000	**	51.3	100	54.0		54.7	*	2	3	55.1	3	55.1		3		55.2
	3.		53.4	54.2		54.9	5	5		55.3		55.3		2	55.4	55.4
≥ 12000	4.	52.2	54.1	54.9				3	5			•				56.1
	4.	54.8	-	57.9		•	\$		8	6	6	6		6		
0006	*	55.1	57.4	58.2	58.7	58.9			6	6	6	59.3		6	39.4	59.4
1	*	57.4	0	6.09			-	2.	2	2		62.2		2	2.	62.2
1 7000	3.	58.0	9.09				2		2	6500	65.0	3	2	65.9	65.8	65.9
1	4.	58.3	-							3	3			3		63.5
2000	*	59.0	-		*				*		64.2			;		64.3
	*	60.1	3		5	5	3	3	5	0	3	3		5	65.8	65.8
141	*	62.1	65.5	•					8				8		68.6	68.6
1	3.	63.7	-		0	6	0	0	0	0	0	0	0	c	70.3	70.3
3000	*	8000	70.7	2	1	1						;		;		74.1
1	3.	69.1	m		.0	.9	-				-	-		-	77.3	77.3
> 2000	*	71.6	77.0	00	0	0	0		.0		:	-	81.0	-	81.1	81.1
	3.	71.9	-		0	0	-	-	-	-	-	-		-	81.6	81.6
> 1500	*	73.3	79.3		10	-	. 4		*		*			;		84.5
> 1200	3.	74.9		3.		86.2			7.	87.2	87.2	87.2	87,2	-	87.2	87.2
V 1000	*	76.4			0	6	0	0	0	-	-	-	-	-		91.1
0% 1	*	76.8			0	0	-	-	-	2		2	7	2	5	92.2
	4.	77.6	4		-	3	3	3	3	9		3			•	94.1
700	*	78.3	3		~		3	5.	5.	95.7		3.	2.	3	62.6	96.0
009	4.	78.3	3	0	1	*	5.	•	9	•		96.6		•		
200	*.	78.4	5	0		. 4	. 9	1.	-		6.16	61.6		-	•	
1 400	*	78.4	2	0			.0	2		8	98.8	98.8		8	6.86	
300	4.	78.9	86.0		94.2	95.3		98.1	98.2	9901	4.66	4.66	5.66	80.66	9066	49.7
	3.	78.5	•			95.3	2			166	4.66	4.66		6		99.8
8	4.	78.8	86.0	90.06	04.7	6.00	97.2	98.1	98.5	000	4.66	40.6	99.00	90.00	99.6	66.66
1	*	18.7	20.0		2.46	95.3	3.16		79.6	77.1	40.6	44.4	-	27.0	94.6	0000

1128

TOTAL NUMBER OF OBSERVATIONS

93839 STATION

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

00 senon HAR

CEILING							VISIA	BILITY (STA	VISIBILITY (STATUTE MILES)	ŝ						
(FEET)	5	9 11	S) Al	7	6 Al	2 2%	2 4	41 5	2 1%		*	*	N Z	2 5/16	N AI	0 1
NO CEILING			50.3	0	-		-		-	-	-		1	-		
> 20000				6				0	0	0	0		0	0		
V 18000				6	0		0	0		0	0		0	.0		
00091 3				6			0	0	0	0	6		0	0		
7 14000							90.0	0		0	0			0		0.09
12000				0				1:	-	-	1:		1:	1:		
				2.	3.			3.	3.	3	3		3.	3		63.2
0006				2	3		-	3.	3.	3	3		3.	3		
1		65.8	67.7	67.7	68.4	4.89	4.89	4.89	4.89	4.80	4.89	4.89	4.89	4.89	4.80	4.89
7000					.6		0.69	6		6	6		6	6		0.69
1				6	6		6	6			6		6	6		69.7
2000				-	2		2.	2	2	3	3		2	2		72.3
1				-	2		2	2	2	2	2.		2.	2.		72.9
141				2				;	*	*	-		*	*		74.2
1				5.	9		.9	9	.0	. 9	.0			.9		76.8
3000							0		0	0	0		0	0		0
				8	6		0	0		0	0		0	0		80.0
2000					2		3	3	5	5	2		2	3		85.8
				3	.0		7.	7.	7.	1	7.		1.	7.		87.1
1500				3						8	8		*			88.4
1					0		-	-	-	-	1:		-	-		91.0
0001					-		2	2	2	2	2		3	2		92.3
				-	3		*	:	*	*				*		94.8
8				-	2		:		9		;			•		
				-	3				9		;			9		96.8
8				*						-	-		-	-		
				*	9		-	-	-	8	8		8	œ		98.7
40					-		-				4.66		6	6	4.66	40.66
		88.4		4	7.		8.	8.	. 8	8	6		6	40.66		4.66
> 200		88.4			97.4		8		8		4.66	4066	6	6	4.66	4006
901 4		88.4	93.6	4.	4.76	4.16	98.1	8	1.86		4.66	4.66		4.66	4.66	4.66
٥		88.4	93.0		97.4	97.4	98.1	98.1	98.1	8	4.66	4066	4.66	4066	100.0	0000

0.00

0

0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

93839

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Al

2

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CEILING (FEET)

NO CEILING 2 20000

16000

12000

AI AI

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

03 HOURS (1.5.T.) MAR

80.0 52.9 52.9 65.8 65.8 61.9 61. ٥ ١ 82.6 73.6 80.0 85.2 91.6 619 67.7 4.89 72.9 74.2 8.96 52.9 52.9 71.0 84.5 88.4 54.2 ٨١ 82.6 52.9 54.2 4.89 73.6 85.2 91.6 61.9 65.8 65.8 71.0 72.9 74.2 80.0 88.4 61.9 96.8 52.9 67.7 84.5 2 5/16 71.0 73.6 82.6 84.5 61.9 67.7 80.0 2 Al 52.3 53.6 65.2 70.3 52.3 67.1 12.9 73.6 83.9 91.0 61.3 6119 87.7 67.7 84.5 84.5 84.5 96.1 ٨I 67.1 67.1 67.1 67.1 70.3 70.3 91.0 96.1 ٨١ 73.6 91.0 6103 87.7 79.4 96.1 ٨١ VISIBILITY (STATUTE MILES) 600 51 60 72.37 1.69 60.9 87.1 ٨I 72.3 64.5 69.7 81.3 83.2 60.7 66.5 800 8.46 87.1 ٨١ 0.09 0.09 51,00 63.9 69.0 72.3 80.7 80.7 82.0 71 11 63.9 51.0 51.0 66.3 83.2 0.69 94.2 51.0 65.8 71.0 85.5 52.3 72.3 ٨١ 51.0 52.0 69.0 72.3 83.5 93.0 51,0 63,9 80.7 86.5 AI 65.89 50.3 59.6 59.4 17:10 81.9 50.3 87.7 91.6 80.0 ٨١ 67.7 00000000 62.6 70.3 86.5 64.3 81.3 90.3 78.7 69.1 80.

000

2000

AI AI

61.3

2000

MIM

0

58.1

58.1

000 000 000

AI AI

0

75.3

2500

MIM

78.1 80.0

500

AI AI

72.9

3500

AI AI

3

67.1

4500 4000

AI AI

TOTAL NUMBER OF OBSERVATIONS

155

8.96

96.8

8.96

96.1

196

8.46

1006 0.40

96.8

1.96

1096

95.5

91.6

61.0

86.9

88

AI AI

93.6

600

85.8

86.

88

AI AI

82.0

800

AI AI

1096

96.8 8.96

96.8

96.1

92.9

86. 86.

88

AI AI

86.

86.

88

AIAI

86.

80

AI AI

86.

96.1

90.8 4.76

96.8 96.6

97.4

98.1

1.86

4444

98.1

98.7

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

PERPLIS, TENNESSEE

93839 STATION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

06 HOURS (1.5.T.) MAK

٨ 50.3 52.3 56.1 50.3 61.3 67.1 46.5 016 64.5 60.7 ٨١ 52,3 52.3 50.3 61.3 64.5 75.5 88.4 56.1 91.0 94.2 94.8 96.1 2 5/16 61.3 61.3 Al 46.5 61.3 A 43.2 46.5 46.6 46.0 46.0 50.3 5 60.7 -Al VISIBILITY (STATUTE MILES) 71 1 30.0 80.0 80.0 80.0 82.6 82.0 71 72 80.0 0 ۲ ۱۸ 1 2% 83 86.9 86.9 81.3 85.8 86.5 86.5 58.1 Al 2000 2000 2000 2000 2000 2000 0000 0 0 0 0 0 C 56.8 80.0 81.3 76.1 78.7 80. 34.8 ٨١ 51.6 40.0 52.3 400 61.00 60000 72.3 72.9 00000 43.2 ۰ ۸۱ 2 AI NO CEILING ¥ 20000 (FEET) VI VI 8000 0000 0000 0000 3500 Y 1 Y 1200 VI VI 2000 2000 4500 4000 2000 1800 900 000 000 88 88 88 88 80

AI AI

AI AI

A1 A1

0

AI AI

A1 A1

0

AI AI

SOWS DIRNAVOCEANMET

155

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93839

MEMPHIS, TENNESSEE

60

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

٨١

٨I

2 5/16

Al

<u>-</u>

Y 1%

۲ ۸۱

12%

۸I

VI VI

٨I

2

٨I

CEILING (FEET)

NO CEILING ≥ 20000 VI VI 00081 00081 00081

٨١ % N

52.9 52.9

26.1

54.8 55.9

49.7 51.0

2000

51.0

47.1

0

41.3

12000

41.3

62.6

60.0

51.6

900

AI AI

0.09

6103

65.2

60.0

58.7

3500

ALAI

4500

67.1

2500

11 11

63.2

62.6 58.1 58.

58.1 58.7

64.2

64.5

76.1

76.1

86.5

74.2

83.2

1200

AI AI

500

AI AI

88

88

ALAI

88

93.6

94.8

68.4

155

TOTAL NUMBER OF OBSERVATIONS

98.1

SMOS DIRNAVOCEANMET

80

AIA

88

AI AI

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

HENDHIS, TENNESSEE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12 HOURS (L S T.) MAR

	01 VI 02 VI 02 VI 03 VI 04 VI 04 VI 05 VI 04 VI	38.	21.00	21.0	0 51.6 51.	.0 53.6	.8 57.4	.9 58.1		.7 61.3 61.		0 02.0 02.	. 0	6 65.2 6	7 8.07 1.	.6 75.9 7	.1 81.9 82.	.1 81.9 8	.3 85.8 B	1000 mm	39.0 92	1 80	9 91.6 9	.2 92.3 9	.2 92.3 9	2.3 9	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	3.6 76.5	85.20 92.20
	2 3 2%	38.7 38.7	700	51.6	1.6 51.6	3.6 53.6	57.4	.1 58.1	61.3	1.3 61.3	.a 61.a	200200	200	5.8 65.8	1.0 71.	6,1 76.	3.2 83.	.2 83.	7.1 87.	***	2.9 93	6.1 97.	\$1.01.4	6.8 98.1	.8 98.	6.8 98.	000	7 000	96.98
VISIBILITY (STATUTE MILES)	Y 2 Y 1%	38.7 38.7	200	6 51	1.6 51.	3.6 53.	7.4 57.	8,1 58.	1.3	1.3 61.	1,3 61.	2.0 62.	200	5.80	.0 71.	6.1 76.	3.2 83.	.2 83.	7.7 87.		40 8	8.7 98		9.4 99.	6 4.6	9.49	4.	000	. 4
ATUTE MILES)	VI %	38.7 3	0	51.6	9	3.0	4	8.1		100		200	J N	5	1.0	1.9	3.5	3.2	1.	200	3	F.	8.7	4.6	. 41		*		99.410
	AI - AI	8:7 38.		1.6 51	1.6 51.	3,6 53.	7:4 57.	8:1 58.	103 61;	103 61.	103 61.	20 067	5.0	5 . 8 65	110 71.	6,1 76;	3,2 83.	3.2 83.	1.07 87.	000	76 8.4	8.7 98.	8.7 98.	9 4 99.	001000	0.010.0	00000		0.0010
	* AI	38.			51.	53.	57.	58.1	61.3	61.3	010	050	65.2	65.8	71.0	76.1	83.2	83.2	07.0	- 60	94.8	98.7	98.7	40.66	100001	100001	10001	5 6	10001
	N Y N N N N N N N N N N N N N N N N N N	38.7 38.	2 3	6 51	.6 51.	.6 53.	.4 57.	8.1 58.	61.	1.3 01.	. 0 01.	20 07	2 65	5.8 65.	1.0 71.	6,1 76.	3,2 83.	,2 83.	1.7 07.	89.7	76 8 9	.7 98.	8.7 98.	9.4 9	0.0100	0.010	00.0100.00		00.00
	NI NI	38.	415	6 51.6	51.	53.	57.	58.	•19	•	10	7	65	65.	71.	76.	83.	83		80.40	96	96	0	•	100	0.0010	00010		0001
	AI	38.	8	51.6	51.6	53.6		58.	61.	•	010	20	65	65.	71.0	76.1		83.				98.	98.	00	100	8	000	3	0

TOTAL NUMBER OF OBSERVATIONS

WAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

15 HOURS (LS.T.)

MAR

VISIBILITY (STATUTE MILES)

52.9

٨١

AI

AI

AI

7

11

2 2%

N Al

٨١

AI

٨١

2

(FEET)

NO CEILING

7 20000

55.9

52.9

55.5

53.6 53.6

\$9.4

56.8 56.8 61.3

000 000 000

2000

63.9 63.8 64.5

52.9

50.3

VI VI 0008 0008 0008

V V V 12000

50.3

53.6 53.6

64.5 64.5 59.4 63.9 63.9 63.9

63.9

65.8 65.8

63.9

89.4

59.4 63.9 65.8 65.8 65.8

0.69

0.69

65.8

65,8 65.8

65.8

65.00 71.0

69.0 71.0

65.8

62.6

4500

AI AI

61.9

9.29

2000

64.5

65.8 65.8

88.4 71.0 84.5 76.1 84.5 76.1

76.1

91.6

92.9

95.5

91.6

89.0 89.0

88.4

88.4

88.4

84.5

84.5 84.5

84.5 88.4

83.

17.4 80.0

2500

AI AI

3500

80.0

1800

AI AI

76.1

89.0

89.0 89.0

91.6 6.76 95.5 1:86

92.9

92.0

91.6

82.6

83.9

120 100 100

94.2

90.3

96.8 96.8

84.5

88

84.5

98.1

98.1

98.1 98.1

98.7

98.1

98.1

96.8

84.5

96.8 96.8

94.8 8.46

84.5

88

ALAI

84.3

88

AI AI

84.5

84.3

88

84.5

98.1

155

TOTAL NUMBER OF OBSERVATIONS

98

84.5

80

AIAI

SMOS

DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

93839

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1.8 HOURS (1.5.T.) MAR

0

0

0

TOTAL NUMBER OF OBSERVATIONS

155

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93839

MEMPHIS, TENNESSEE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21 HOURS (LST.) MAR

	5/16 ≥ 1/2							0	0	3	~	*	•	0	10	00	•	2	20	5	*	~	0	10	3	20	4	*	*	4	*	C
	9	-	5	56	3	56.	58.	.29	62.	99	67.	68.	71.	73.	75.	76.	82.	83.	85.		88	89.	92.	.56	96	96		66		99.	99.	000
1	VI SS	6					58.7								•		82.6			86.5			92.9				97.4	•	4.66			000
	Z AI	1 .	\$6.8				58.7						71.6										92.9						4.66			~ ~~
	*						58.7					•																				7.00
	% Al						58.7																								4.66	7 00
S	-	6	56.8	9			58.7																			•						ŀ
TUTE MILE	¥1 %1	6		•			58.7	2.	2.	•	2		1:	3	5	9	-	2	3	20	-	6	2		•	•	1.96			8	-	1
VISIBILITY (STATUTE MILES)	71 71	6				9	58.7	2	2.	6	-		1:	9	3	•	-	2	3	3	-					•			1	-		
VISIE	1 2	6		9			58.7	2.	2	9	-	8	-			.9		2		3	-	.6	2:	;				•				1
	2 2%	6		•		9	58.7	2	2.		-	00	-	123	3	9	-	2	3	9	-	6	3	. 4				9		.0		7
	S AI	6					58.7	2	2.	.0	-	8	-	3	3	0	-	-	4	3	-	8	-	2.	*	3	*	*	*	3	*	
	4	6		9	.0	.0	58.7	2.	•	•	•	8	•		5	9	-	-	6			-	88.4	ċ	-	-	-	~	2	2		
	\$ 41		86.8				58.7	62.6	62.6	66.5	67.7	8	-	3	*	3	0	-			5	3	-	6			6	0	0	0	606	
	o Al	48.4		56.1	56.1	56.1	58.1	61.9	61.9	65.8	67.1	67.1	70.3	72.3	73.6		78.7	19.4	80.7	81.3		83.2		84.8						3	85.2	
	5																															1
EILING	(FEET)	NO CEILING	> 20000	18000	00091	14000	12000		0006 ~		7000	1	> 2000		904	1	3000		7000		1500		1000		8		8		8		8	

155

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

9 AI	26 25 24 23 22% 21% 21% 21% 21 23 25% 26 26% 26 26%	40.1 41.4 41.4 41.9 41.9 42.1 42.1 42.3 42.3 42.3 42.3 42.3 42.3 42.3 42.3	49.2 50.9 51.0 51.5 51.5 51.5 51.7 51.7 51.9 51.9 51.9 52.0 52.0 52.0 52.0	49.2 50.9 51.0 51.5 51.5 51.5 51.7 51.7 51.9 51.9 51.9 52.0 52.0 52.0 5	49.2 50.9 51.0 51.5 51.5 51.5 51.7 51.7 51.9 51.9 51.9 52.0 52.0 52.0 5	49.5 51.2 51.3 51.8 51.9 51.9 52.0 52.0 52.3 52.3 52.3 52.3 52.3 52.3	51.4 53.1 53.2 53.4 53.7 53.7 53.9 53.9 54.1 54.1 54.1 54.2 54.2 54.2 5	55.1 57.2 57.3 57.7 57.8 57.8 58.0 58.0 58.2 58.2 58.2 58.3 58.3 58.3 5	55.2 57.3 57.4 57.9 58.0 58.0 58.2 58.2 58.4 58.4 58.4 58.5 58.5 58.5 58.5 5	58.6 60.8 61.1 61.6 61.7 61.7 61.9 61.9 62:1 62.1 62.1 62.2 62.2 62.2 6	59.5 61.7 61.9 62.5 62.6 62.6 62.7 62.7 63.0 63.0 63.0 63.1 63.1 63.1 63.1 6	60.4 62.8 63.1 63.6 63.7 63.7 63.9 63.9 64.1 64.1 64.1 64.2 64.2 64.2 6	62.4 65.2 65.3 66.1 66.2 66.2 66.4 66.4 06:6 66.6 66:6 66.7 66.7 66.7 6	63.5 66.2 66.9 67.2 67.3 67.3 67.4 67.4 67.7 67.7 67.7 67	65.2 68.1 68.3 69.3 69.4 69.4 69.4 69.5 69.5 69.8 69.8 69.8 69.8 69.8	66.6 69.6 70.0 70.8 71.0 71.0 71.1 71.4 71.4 71.4 71.5 71.5 71.5 7	70.4 73.7 74.4 75.5 73.7 75.7 75.9 75.9 76.2 76.2 76.2 76.3 76.3 76.3 7	73.2 76.9 77.7 78.9 79.1 79.2 79.4 79.4 79.7 79.7 79.7 79.8 79.8 79.8	76.7 80.8 81.9 83.3 83.6 83.7 83.9 83.9 84.2 84.2 84.2 84.3 84.3 84.3 8	77.3 81.5 82.6 84.1 84.4 84.5 84.7 84.7 85.0 85.0 85.0 85.1 85.1 85.1	79.6 84.3 85.4 87.2 87.5 87.7 87.9 87.9 68.2 88.2 88.3 88.4 88.4 88.4 8	81.0 85.9 87.4 89.3 89.8 90.2 90.3 90.3 90.7 90.7 90.7 90.8 90.8 90.8 9	82.3 87.8 89.9 92.1 92.7 93.2 93.3 93.3 93.7 93.7 93.8 93.9 93.9 93.9 9	82.8 88.7 91.0 93.2 93.9 94.3 94.5 94.5 95.0 95.0 95.1 95.2 95.2 95.2 9	83.2 89.4 91.9 94.4 95.2 95.7 95.9 95.9 96.4 96.5 96.6 96.7 96.7 96.7 9	83.3 89.8 92.3 94.7 95.8 96.0 96.2 96.2 96.7 96.9 96.9 97.0 97.0 97.0 9	83.6 89.8 92.7 95.2 96.1 96.7 96.9 96.9 97.5 97.7 97.7 97.8 97.8 97.8 9	83.6 89.9 93.1 95.5 96.5 97.3 97.7 97.7 98.4 98.7 98.8 98.9 98.9 98.9 98.9	83.6 89.9 93.1 95.8 96.8 97.6 98.0 98.0 98.7 99.0 99.2 99.3 99.3 99.3 9	83.6 89.9 93.1 95.8 96.8 97.6 98.0 98.0 98.8 99.1 99.3 99.4 99.4	83.6 89.9 93.1 95.8 96.8 97.6 98.1 98.1 98.9 99.2 99.4 99.5 99.6	83.6 89.9 93.1 95.8 96.8 97.7 98.2 98.2 99.0 99.3 99.4 99.7 99.8 99.8	10 00 00 F 00 7 00 C 00 C 00 C 00 C 00 F 10 0 70 0 10 00 7 00
A1	AI •	4	.2 5	.2 5	50	3	20		.2	9 9.	·	9 9.	9 4.	.9 6	9	9 9.	7 4.	.2 7	.7 80	.3 81	.6 84	0	~	00	2	60)			9		3.6	3.6	
				iel .	101	10		**		141		14)		**	.3	143	.3	141		111	173	•		(4)	•	•	•	•	•	•	•	•	

TOTAL NUMBER OF OBSERVATIONS

1240

0

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

73-77

YEARS

APR MONTH OO HOURS (1.8.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE	(FROM HOURLY OBSERVATIONS)

		F	m	3	1	100	3	3	0	-	m	-	-	0	m	0	3	-	0	-	2	3	~	0	0	1	3	m	1	1	(1)	0	0
	AI	56.	55.		55.	55.	55.	59.	0	4	75.	76.	78.	30		36.	39.		32.	32.	33.	35.	7.	98.	98.	99.	99.	39.	99.	99.	.66	000	00
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	AI AI	9	3	3	5	3		6	0			0		0	3	9				92.		2	-			6			6	6	.66	6	
		2		3		3	0				3																				6		
	5/16	9	5	5.	5	3.											,														66		
	Al					0					75	-	-																				
	2								0.0		5.3	3	8.7																		9.3		
	AI.	3	•	0	0	0	•	0	-		-		-																		66		
	*	6	5.3																												. 3		
	AI	3	0	9	5	6	0	0	2	-	73	=	7	8	8	8	8	6	6	6	6	6	0	6	6	6	6	6	5	6	66	6	6
	*																																
	AI	56	6								73																	66	6	56	66		66
		-	•								•															m	641	0	•	•	67	•	•
· S	AI	56	63	65	63	63	65	69	20	14	73	16	78	80	3	86	8	06	92	92	60	93	2	86	3	66		66	66	66	66	66	
MILE	3																						•										•
TUTE	1	0	10	5	5	1	10	0	0	3	10	0	2	0	m	0	0	0	N	N	M	1	-	00	00	0	0	0	0	0	56	0	0
VISIBILITY (STATUTE MILES)		-	m	m	1	100	m				m	-									m	m					m			80	m	m.	m
Ł	71				65				0	3	75			0			0	0						00		0	0	0	0	66	66	66	
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	٨١	30	0	0	0	0	9	0																					0	6	6	0	0
	-	9		5		5	Eri	6			5.3																•			9		9	6.7
	٨١	30	9	0	0	0	•	0	-	-	-	-	-	00	00	00	80	0	0	0	0	0	O.	0	0	3	0	0	0	0	0	0	
	8										. 3																						0.0
	Al	5	c	c	0	0	0	0	2	7	~	7	7	8	80	8	8	8	6	6	0	0	0	0	0	6	6	6	6	0	96	6	6
	•				-			0	-								-		0										-				
	AI	56	40	40	40	9	64	68	99	73	74	75	76	78	8	62	34	86	86	86	87	88	90	90	0	06	6	90	0	90	80	90	8
		1		-		-	_	-				-	_	-						-				-				1		-		-	
	71																																
		0	_	-	_	-		-		-	_	-	_	-		-	-	-	_	-	-	-	-	-	_	-		-		-			
CEILING	EET)	EILIN	> 20000	8000	16000	4000	12000	0000	8	9000	7000	9009	2000	4500	4000	3500	3000	2500	2000	1800	1500	1200	90	906	8	700	8	200	8	300	30	8	•
5	•	NO CEILING	۸I		ı AI		Ā	1	M	1	IAI	1	IAI	1	IAI		IAI		M	1	۸I	٨	IAI	٨١	AI	٨	IAI	٨	IAI	A	1 1	A	IAI
		_		_		_	_	_		_		_		_				_		_		_				_		_		_			

0

0

0

0

TOTAL NUMBER OF OBSERVATIONS

150

0

0

93839 STATION

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

TENNESSEE STATION NAME

MEMPHIS,

93839

NO CEILING > 20000 VI VI 0008 0008 0008 0008

2000

AI AI

2000

MIM

4500 4000

AI AI

3500

AI AI

2500

ALAI

1500

ALAI

Y 1400

CEILING (FEET)

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

HOURS (LS.T. MONTH 03

APR

88.0 76.0 80.0 82.0 70.7 70. 70. 70.7 14: 76. ٨١ 80.0 80.0 83.3 87.3 88.0 76.0 88.0 89.3 76.0 7007 70.7 75.3 91.3 74.7 168.7 ٨١ 80.0 88.0 76.0 83.3 97.3 76.0 76.7 80.0 80.0 70.7 2 5/16 88.0 88.0 80.0 68 ۸۱ 80.0 82.0 83.3 80.0 88.0 88.0 88.0 76.0 75.3 76.0 89.3 6116 93.3 0.96 64.3 7007 93.3 76.7 70.7 7007 74.7 ٨١ 83200 76.7 616 61.3 75.3 96.0 93.3 VI VI 79.9 70,0 92.0 92.7 98.0 88.7 2006 70.0 70.0 42.7 86.7 92.7 ٨١ VISIBILITY (STATUTE MILES) 82.0 0.96 86.7 0.06 95.0 78.7 88.0 86.0 74.0 80.7 86. 74.7 78.7 86. 77 77 82.0 92.0 92.0 0.96 0.96 86.0 86.7 78.7 86.7 94. 86. 82.0 0.06 88.0 92.0 86.0 86.7 86.7 86.7 78. 7 82.0 86.0 0.46 83 86.0 74.0 86.0 93.3 80.7 7.06 86.7 88.7 90.7 7 2% 82.0 86,0 86.0 0.76 73.3 80.7 88.7 75.3 69.3 90.7 .06 78. 78. 86. 74. ال ال 88.0 69.3 73.3 78.3 81.3 80 S 8 5 .3 89.3 92.0 69.3 60.3 86.0 89.3 92.7 80.7 84.7 74.7 78. 4 78.7 86.0 67.3 67.3 83.3 8 8 8 8 8 4 8 6 9 9 89.3 71.3 72.0 73.3 86.7 72. 76.7 67.3 72.7 76.7 86.7 88. Al 69.3 71.3 76.7 65.3 70.0 83.3 83.3 85.3 65.3 70.7 70.7 74.7 74.7 80.7 80.7 80.7 80.7 82.7 84.7 80.7 Al 2 Al

TOTAL NUMBER OF OBSERVATIONS

88.3

0.86

150

98.7

98.7 98.7

97.3

96.0

96.0

94.0

0.46

86.7 86.7 86.7

88

AI AI

0.46

86.7

80

AI AI

66.

36.7

88

AI AI

95.3 95.3

95.3

0.96

90.7 1.06

86.7

88

88

ALAI

900

ALAI

11.3

81.3

81.3

84.0

80.

78.0

. 4

68.7 70.7

2000

ALAI

74.0

72.

66.0 0.89

3300

ALAI

0

78.0

80.0

73.3

1500

AI AI

80.

77.3

88.0

91.3

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

APR

HOURS (L S.T. 90

٥ ٨

VI VI

61.3

62.7

VISIBILITY (STATUTE MILES)

۸۱

٨١

٨١

۰ ۱۸

2

(FEET)

NO CEILING

¥ 20000

80.0 80.0 84.0 67.3 0.46 71.3 74.0 79.3 91.3 95.3 11.3 88.0 61.3 61.3 81.3 62.7 10.7 94.7 88.7 92.7 2 5/16 88.0 80.0 80.0 AI 95.3 79.3 61.3 71.3 88.7 * 80.0 19.3 88.0 78.7 80.7 70.7 73. 90. ٨I 87.3 70.07 90.0 62.0 62.0 80.7 86.7 82.7 7 7 70.0 90.0 70.7 80.7 82.7 86.7 7 7 62.0 82.7 86.0 89.3 92.0 66.0 19.3 86.7 0.06 1.3 1.09 ۲ ۸۱ 80.0 88.3 82.0 0.09 70.0 88.0 0.00 61.3 65.3 66.0 69 90.0 73.0 90.7 18 88. 1 2% 78.0

69.3

0.89

. 00

72.0 75.3 76.0

58.

62.7

4500

AI AI

61.3

2000

ALAI

67.3

64.0

64.7

588

8000

AI AI

63.3 64.0

60.09

54.1

00 % 00 %

AI AI

60.7

5.3

90

60.09

56. 56.7

51.3

12000

56.0

59.3

74.0 75.3

79.3

86.0 90.0 84.0 90.00 84. 90. 86.0 81.3 82.0 84.0 84.7 85.3 85.3 86.0 86.7 86. 86. 86. 98

82.0

27.87

5.0

75.3

88

AI AI

80

AI AI

15.3

88

ALAI

88

ALAI

200

AI AI

0

74.7

4.

90

ALAI

TOTAL NUMBER OF OBSERVATIONS

150

10

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

93839 STATION

00 HOURS (1.5.T.) APR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VISI	VISIBILITY (STATUTE MILES	TUTE MILE	(S)						
(FEET)	71	٨١	SO AI	AI AI	es Al	12%	7	٧١ ٧٢	۷۱ ۶۲	- AI	% AI	*	× Al	≥ 5/16	VI N	٨١
NO CEILING				49.3	49.3	£ . 64		6	6	E . 64	6.64		6	649	49.	
> 20000		_		58.7	58.7	58.7		8	8		58,7	58.7		58.	58.	2
≥ 18000		-		58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	1000000	58.	58.	7 58.7
≥ 16000		-		58.7	58.7	58.7		8	8		58.7	58.7	8	58.	58.	5
2 14000				58.7	58.7	58.7	58.7	58.7	58.7	58.7		58.7	58.7	85	2	58.7
≥ 12000				58.7	58.7	58.7		58.7						8	58.	~
		-		62.0		62.0								2.	62.	
2 9000		-		62.0	62.0	62.0	62.0	•	2	2	62.0			2	62.	9
0008 ~		-	0.49	66.7	66.7	66.7	66.7	66.7	1.99	66.7		66.7	66.7	•	7 66.	7 66.7
> 7000		-	•	68.7				8	8	80				8	68	•
		-	67,3	70.0					0	0	70.0			•	70.	0 200
> 5000		-	68.0	70.7			.0	0	0	0				•	70.	-
		-	68.0	70.7		70.7	71.3		-	-	71.3			•	-	171.3
14 4000			71.3	74.0			74.7		;		74.7			•	1	74.7
		-	71.3	4	74.0	74.0	74.7	74.7	•	14.7	74.7			14.		74.7
> 3000			72.0	76.0		76.0	76.7	76.7	•		76.7			76.	-	76.7
> 2500		-	74.0	78.0		. 3	79.3	79.3	6		19.3		79.3	79.	-	
> 2000				81,3		82.0	2	5	2		82.7			82.	œ	82.7
		-	78.0	82.0		3.	83.3	83.3	3		83.3			83.	œ	83.3
> 1500		-	82.7	86.7		88.0	88.7		8		88.7			88.	8	
7 1200			83.3	87.3		88.7	89.3		6		89.3			0	00	
V 1000		-	86.7	92.0		94.0	94.7		\$	\$	94.7			*	94.	0
906 AI		-	86.7	92.0		0.76	7:46		*					*	94.	1 94.7
		-	88.0	93.3		95.3				0		0.96		•	96	0
		-	88.7	1.76		96.7			-	-					97.	•
009 1			88.7	94.7	0	97.3		8	8	8				8	98.	0
		-	88.7	94.7		97.3			8	8	98.7				98.	7 98.7
× 400		-	88.7	94.7		97.3		8		5		99.3		6	66	0
38		80.7	88.7	94.7	1.96	67.3	98.0	98.7		0.001	100.0	.00	100.0	100	100	2
		-	88.7		46.7	97.3			98.		100.0			0	0	0
8		-	88.7	94.7	96.7	97.3	98.0	98.7	98	10000	100.0	1000	100.0		0	-
1		_	88.1	94.	106	97.3		98.	78.	00001	100.0	1000	100.0	100	0.001	2

8

3)

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

93839

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12 ****** APR

٨١ 72.0 93.3 86.0 76.7 Al 0.99 70.0 58.0 0.00 12.0 86.0 66.3 93.3 0.96 96.0 98.0 63.3 64.7 76.7 66.3 62.7 66.7 81.3 86.7 1.06 66.7 98.7 2 5/16 2 Al 70.0 76.7 89.3 58.0 58.0 58.0 0.09 72.0 0.96 0.96 98.0 66.3 64.7 66.7 81.3 81.3 86.0 90.7 93.3 62.7 62.7 66.7 86.7 ٨I 93.3 86.0 0.86 10.0 66.3 76.7 66.3 90.7 62. 66. 99 VI VI 0000 96.0 76.7 400 98.0 70.0 0.08 66.7 86.7 _ ^I VISIBILITY (STATUTE MILES) 58.0 0.09 20.02 99 96.0 66. 86. 93.3 10. 99 7 7 86.0 0.96 0.99 93.3 66.7 76.7 86.7 90.7 58.0 0.99 63.3 72.0 86.0 92.0 98.0 81.3 E . 16 60.0 70.0 86.7 90.7 96.7 62:1 54.7 66.7 66. 76.7 96 ۸I 58.0 62. 1 2% 58.0 86.0 86: 76.1 .99 .99 ۳ ۸۱ 97 62.0 64.0 65.3 0.06 57.3 94.0 89.3 66.0 69.3 84.7 65.3 A 90.0 70.0 74.0 68.0 56. 88.7 N Al 87.3 85.3 61.3 95.0 64.0 60.00 73.3 80.7 61.3 86.0 88.0 88.0 88.0 56. 56. 64. 84. NO CEILING 3300 (FEET) ≥ 20000 VI VI 18000 1 VI 16000 Y 1400 900 800 000 000 900 450 450 450 2000 1500 88 88 88 88 88 80

AI AI

AI AI

0

AI AI

ALAL

ALAI

AI AI

AI AI

AL AS

ALAI

0

AI AI

AI AI

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AI AI

3

TOTAL NUMBER OF OBSERVATIONS

98.

98.0 98.

64.0 64.0

15 HOURS (LST.)

TO

APR

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

93839

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

2

CEILING (FEET)

NO CEILING

> 20000 VI VI 00081 00081 12000

8000 7000

9000

4500

3000

2500

1500

1200

۰ ۱۸	45 Al	AI	e VI	1 2%	7	۲۱ ۶	¥1 ×1	<u></u>	*	*	۶ ۸۱	≥ 5/16	× 11	٨١
45.3	4			46.0	46.0	46.0	46.0	40.0	46.0	46.0			46.0	46.0
55.3	56.7	56.7		56.7	56.7	36.7	56.7	5697	56.7	56.7	56.7	•	56.7	56.7
10	5		56.7	56.7	56.7	56.7	56.7	56.7		56.7	56.7	56.7	56.7	
5	2			56.7	56.7	56.7	56.7	26.7	56.7	56.7	56.7	•	56.7	56.7
56.0	-	57.3		57.3		1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
8	•	60	60.7	60.7	60.7		60.7	6007	60.7	60.7	60.7	60.7	60.7	60.7
-	-	64.	64.0	0.49	64.0			0.40	64		99	0.49		
-	-	64.	64.0	0.49	64.0		. •	0400	40		\$0	0.49		
63.3	65.3	67.	67.3	67.3	67.3		67.3	6103			0	67.3		67.3
64.7	·	68	68.7	68.7	68.7			68.7	89		68	68.7		
64.7	-	68	68.7	68.7	69.3			69.3	69		69	69.3		
64.7	•	69	68	68.7	69.3			69.3	69		69	69.3		
66.0	-	20	20	70.0	70.7			70.7	2		10	70.7		
69.3	•	4	-	74.0	74.7			74.7	7	74.7	14.	74.7		
72.0	•	76	77	77.3	78.0	1		78.0	78	78.0	78	78.0		
76.0	•	80	81	81.3	82.0			82,0	82	82.0	82.	82.0		
78.7	-	48	8	88.3	86.0			0.99	86	86.0	86.	86.0		1
81.3		8	88	88.7	89.3		90.0	0006	0.06	0.06		90.0		
82.0	-	88	89	89.3	90.0			400	06	1006	90	90.7		
34.0	•	6	92	92.0	92.7		93.3	93,3		93.3		93.3		
85.3	-	92.7		93.3	94.0	4.1	94.7	24.7	94.7	1006	4.7	4.7	4.7	94.7
•	•		-	4		24	3	70		70	7	70		4

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0	90.	90	6	6	96	96	98	6	8	66		6	0	0	8
	0	-	m	-	0	0	0	0	-	~	6	5	8	5	5
5	90	0	100	3		0	8	8	8	0	0	0	0	0	0
										0	2	0	2	0	2
	0						0								
8	8	90	66	16	96	96	86	98	98	66	6	66	6	66	6
5	0			-	0	0	0	0	~	m	m	~	M	3	m
ò	90	0				0				6	6	6	6	6	6
														0	0
•	0							0		. 3			-		. 3
0	06	06	93	30	96	96	88	86	98	66	66	66	60	66	6
5	0	-	1	-	0	0	0	0	0	3	0	0	5	0	5
D	90	0	0	0	0	0	0	0	0	0	0	0	•	0	0
0	0		100		0	0	0	0	0	0	0	0	0	0	0
0	06	06	66	46	96	96	86	86	86	86	86	86	86	86	
	(7)														m
														-	
0	00	0	0.	0	0	6	0	0	0	0	6	0	0	0	0
		(e)	0	-		-	0	0	0	0	0	0	0	0	0
00	8	68	65	66	46	46	96	96	96	96	96	96	96	96	96
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	0		-		0	0	-	=	•	611		10	60	tes	C
1	89	88	-	65		\$6	56	98	8	66	5	95	56	66	5
_	_	1	-	-	-		-	1		1		-	-	1	-

90.0

86.

88

88

88

AI AI

86. 86. 86.

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80

AI AI

TOTAL NUMBER OF OBSERVATIONS

150

100.0100.0100.0100. .00.0100.0100.0100.00

> SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1.8 HOURS (1.5.7.) APR

CEILING							VISI	BILITY (STA	VISIBILITY (STATUTE MILES)	S)						
(FEET)	5	9	S AI	4	ε Al	≥ 2%	1 A	¥1 ¥	×1 ×	-	*	*	% Al	≥ 5/16	× Al	٨١
NO CEILING			6	E-64		6		6		6	6	6.64			6	49.
> 20000			64.0	65.3	3				65.3	5	2	65.3	2	65.3	3	65.3
			3		3.	5		5	65.3	5	3	-	5		•	65.3
2 16000		0.49	64.0	65.3	65.3	5	65.3	65.3	65.3	62.3	65.3	65.3	65,3	65.3	65.3	65.3
			65.3							9			6			99
7 12000			66.0	67.3	67.3	-		-	67.3	-	-	67.3	67.3	67.3	67.3	67.3
			67.3		2	10	8	8	30	8	8		8		8	68.
000			67.3	68.7								68.7		68.7		68.7
			68.7			0	ò	0	0						0	70.0
000			71.3			2		2.				72.7			5	72.7
						3.	3	3	6							73.3
0005				74.0		*		*	*						;	74.0
			72.7	4	74.0		74.0	74.0		3			74.0	14.0	14.0	74.0
600		74.0		8								78.7				78.7
1			77.3	6	0	0	0	0	0	0	0	0	0	ċ	0	
3000					2	2	2	2.	2	2	2	82.7			3	82.7
1			82.0	4	*	*	3		8		3			5	2	85.3
7000					-	-	2	2			2	92.7	2	92.7	2	92.7
100					2.	2	2				3		93.3			93.3
1500					2	2	m	;			:	0.00	+		;	94.0
			1006		3		3	2		6263	5		2	95.3	2	95.1
001			90.7	92.7			. 3				2	95.3		95.3	95.3	95.3
					3		3	3		9503	3		5	95.3	3	95.3
8						*						1.96				96.1
					;	*	9	-					-		:	97.3
8			92.7	94.7	2	*			7.86	98.7		1.86	98.7	98.7	98.7	98.7
										98.7	8	7.86	8			
84					95.3	2						98.7	98.7	98.7		786
				94.7		2				9903	6	66.3	0000	100001	•	00.0
200			92.7	4.7						666	99.3	66.3	100.0	100001	100.00	000
81		89.3	92.7	46.7	6.36	95.3	1.96	98.7	1.86	E . 66	66.3	66.3	00.00	100.001	0000	00.00
0 1			92.7	4.7	95.3					99.3	66.3	.3	100.0	100.001	10000	00.00

TOTAL NUMBER OF OBSERVATIONS

150

93839

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21 MONTH NONTH

071							VISI	BILITY (ST	VISIBILITY (STATUTE MILES)	ES						
(FEET)	2	% Al	so Al	AI AI	e Al	2 2%	7 7	71 %	71 71	71	N N	*	N Z	≥ 5/16	N AI	AI
CEILING		1:		58.	8	60	58	8	58.	8			1 .	58.		58.
≥ 20000		66.0	8	68.			68		68.	8				68.		
18000			8	68.	8	8	68	8	68.	8				68.		0
00091 =		66.0		68.			68		68.	8				68.		
14000			*	68.	8	*	68	8	68.	80				68.		0
12000		68.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	6
2 10000			2.	72.	2	2.	72	2	72.	20				72.		~
0006			2.	2	2.	2	72	2	72.	2				72.		-
9008		74.7	77.3	7.	7.	7.	77	7.	77.					17.		1
2000			6	6	6	0	79		79.	6				79.		-
0009		76.7	6	6	0	6	79	6	79.					79.		-
9000		77.3	0	0		0	80	0	80.	0				80.		
4500			-	-	2	2	82	2.	82.	20				82.		0
4000		80.7		*			86		86.					86.		0
3500		82.7		.0	8	*	88		88	8				88.		
3000		84.0	8		6		06	0	90.	0				90.		
2500			6	6	0	0	91	-:	91.	-				91.		0
2000		87.3	91.3	-	92,7	~	6		•	63.3				93.		
1800			-	-	2.	*	93	3	93.					93.		0
1500		89.3		3.	2.		96		96					96		0
1200			•		. 9		96	. 9	96					96.		0
1000		90.0		*	-		80		98.					98.		
8					8	8.	98	8	98.	8	-			98.		0
8				8	8		90		98	8				98.		0
200			0.96				66		66	6				.66	99.3	.66
009		90.7			98.7	8	66		66	6				100	100.0	100
900		90.7			98.7	00	66		66		-			1001	100.0	100
400		90.7			98.7	0	66		66		-			100	10000	100
300		90.7	•		98.7	98.7	0		66	66.66	100.0		100.0		10000	100
300		90.7			98.7		9		66	666	10000		100.0	100.0	100.0	100
81		90.7	0.96		98.7	98.7	0		6	666	100.0	100.0	100.0	100.0	100.0	100
0		90.7	96.0			98.7	99.3		o	E . 66	100.00	10000	100.0		100.0	100

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

NEMPHIS, TENNESSEE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOURS (L S.T.) APR

8 8 1 11 11 11 11	(FEET)		1														
8 2 22 22 22 22 22		2	Ø Al	8 41	AI AI	e Al	> 2%	~ ~	¥1 ¥1	71 71	-	% Al	*	Z AI	2 5/16	× AI	AI .
N A A A A A A A A A A A A A A A A A A A	CEILING		50.1			2	2	2.			5.2	2				52.4	52.
	20000		59.7	61.4	2	3	~	3	2	2	2						63.
	8000		59.7		2	2	8	2	2.	2	2						63.
	16000		59.7		2	2	2	3	2	3	3						63.
	4000		0		2	3		3.	3.	3	3.	3					63.
	12000		6.09				*	:	:		*	*					*
and the same of the same	0000				9	-		2	-	-	-	-					67.
	0006		63.9		:	-	-	:	-	-	-	-					67
	9000				0	0	0	ò	0	0	0	0					70.
	2000		67.7		-	-	-	:	-	-	-	5					72
	0009				2	2	2.	2	2	3	2	2					72.
IAI	2000						6	3									*
	4500		66.69		*	3	*	3	*	*	*	3					75.
IAI	4000		2		:	-	00				8						78.
	3500		4			6	6		0	0	0	0					80.
۱۸۱	3000		.0		-	2	~	. 2	3			3					83.
	2500		78.2	81.7	3		*	3	3	2	2	3					85.
ΛI	2000		0		•	-											89.
	1800		-		-	*	0	8	6	6		6					89.
AI	1500						0		-	-	-	3					92.
٨	1200		3.		0	-	-	2		3		3					63.
IAI	1000		84.1			3			2		5	3					95.
٨١	98		84.7		2	3		:	3	3	5	2					98.
AI	00		85.4			*			•	•	•	-					97.
٨	700		85.8			3	5	9	-	-	-	-					97.
IAI	9		86.0			'n	.9	-			8						98
A	900		86.0	61.3		5	.9	-		8		6					66
AI	400		. 9				. 9	-									66
AI	38		86.0	61.3	94.1	0.96	6.96	97.6	48.7	98.7	666	9666	9066	8 66	90.66	99.8	66
AI	300		86.0	61.3		0	9	1.	8	8	6	6				8	99.
Al	9		86.0	91.3	:		. 9	1:			6	6				. 8	100
^1	•		86.0	61.3	3	0	•	7.	8	8	6	6			•	8	00

0

0

0

TOTAL NUMBER OF OBSERVATIONS

1200

SWOS

DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPILS, TENNESSEE

00 HOURS (1.5.7.) MAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VISI	BILITY (STA	VISIBILITY (STATUTE MILES	(5:						
(FEET)	5 41	٥ ٨١	87	4	S AI	2 2%	2 41	41 4	¥1 VI		× AI	*	Z Al	≥ 5/16	% Al	0 41
NO CEILING		53.6		58.7	6		6	0	0	0			0			
≥ 20000		62.6	67.							0			0			
		62.6				6	6	0	6	0			0			
1600		62.6			69.7	69.7			0							70.3
N 14000		62.6	67.			6	6		0	0			0			
> 12000		64.9	69	:		2	2		2	2			3			
		67.7	72.	3		9				9			9			77.4
0006		67.7	72.							9				9		
		72.3	77.	6	:	-	:	-	:	=			-	-		
7000		72.9	78.	0	:	-		2	2	2			2	2		
		74.8	80.	-	3	(1)	20	*	;	3			*	+		
2000		74.8	80.	:	3	-		*	;	-			;	*		
		76.1		3.	3	5	3		3	3			3	5		86.5
141		77.4	82.			-	:	-	-	-			-	-		
		80.0	85.	-	6	6		0	0	ö			0	0		91.0
3000		80.7	85.		6	0	0	-	-	-			-	:		91.6
		80.7			0	91.0	-	91.6	-	-			-	-	91.6	92.3
N 2000		81.3	86.		-	2	2	2	2	5			2.	5.		
		81.3	86.		-	2	2.	2.	2.	2:			5.	2.		
1500		81.9	87.		2	~			*	3			*	3		
		83.2				*		•	*	3				;		
1000		83.2				3	-			0				;		
		83.2		91.6	*	20	95.5		1.96	1696	1.96	1.96	1.96	1.96	1.96	96.8
8 Al		83.2			3	96.1	.0			•						
		83.2			*	97.4	:		8	8			8	8	98.1	98.7
8		83.9			3	98.1	. 8		8				8	8		
		83.9			3	98.1		98.7	8	**66	3.66	4.66	4.66	6	4.66	0.001
VI 400		83.9	89.		2	96.1			98.7	4066	4.66	4.66	4.66		4.66	0
300		83.9	89.0	92.3	95.5	98.1	98.1	98.7	186	4066	4.66	4.66	4.66	4.66	4.66	100.0
		83.9	89.		3				98.	4000	4.66	40.6	40.6		4.66	0001
VI 85		83.9		92.3			98.1	98.7	98.7	9000	4.00	99.4	* 66	4.66	4.66	0000
		83.9	- 1		95.5		98.1	196	98.7	700	4.66	40.6	4.4	49.66	40.66	0001

0.0

0

TOTAL NUMBER OF OBSERVATIONS

85.2

85.2

77.4

80.7 80.7

13.6 73.6 86.5

86.5

86.5

87.7

86.5 86.5

92.3

92.3

93.6

89.0

3 3 3 3 3

75.5

1500

ALAI

75.5

2500

ALAI

89.

16.8 76.8

1200

ALAI

76.8

85.8 85.8

95.5

91.0 91.6

4.88 91.0

CEILING VERSUS VISIBILITY

WAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T 60

AI

Al

٨١

2 ٨١

CEILING (FEET)

NO CEILING

> 20000

67

61.3

VI VI 00081 00081

61.3

12000

64.3

67.7

900

AI AI

13.6 76.8 80.0 80.0 85.8 90.3 94.8 85.8 90.3 84.5 85.8 91.0 91.6 92.9 93.6 84.5 87.1 95.5 96.1 2 5/16 85.8 85.8 Al 91.0 8.46 96.1 76.8 85.8 90.3 9116 92.9 93.6 73.6 87.1 95.5 84.5 84.5 84.5 87.7 AI 95.5 ٨١ 0.16 24.5 86.5 92,3 89.7 E . 06 89 ٨١ VISIBILITY (STATUTE MILES) 79.4 85.2 0.16 94.4 85.2 86.5 90.3 92.3 8.76 89.7 95.5 87.1 7 7 88.20 79.4 85.2 95.5 91.0 92.3 94.2 76.1 86.5 90.3 94.8 87.1 89.7 89.7 9000 84.5 93.0 86.5 92,3 E . 06 7 89.0 65.3 85.8 99.0 84.9 86.5 91.6 92.3 89.7 1 2% 8 8 8 8 9 9 9 6 ٨I

81.9

72.3

78. 78.

72.3

2000

AI AI

82.6

72.9

9000

AI AI

79.

72.9

82.6

83.9

80.

74.2

4500

AI AI

84.5

86.5

32.6

14.8

87.1 87.

86.

74.8

74.2

3500

AI AI

TOTAL NUMBER OF OBSERVATIONS

155

000000000 99.4100.0100.0

8.96

1.96

98.1

94:2

91.6

86.3 86.9

78.1

78.1

88

AI AI

86.3

78.1

80

AIA

88

MIM

90.

11:12

88

ALAI

88

ALAI

98.7

90.06

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

73-77

0

TOTAL NUMBER OF OBSERVATIONS

98.1

61.0

80

AI AI

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

09 HOURS (1 5 T.)

MAY

10 26 25 24 23 22%	42.6 46.5 46.9 47.	0.3 55.5 56.1 56.	50.3 55.5 56,1 56.	0.3 55.5 56.1 56.	0.3 55.5 56.1 56.	1 52.3 57.4 58.1 58.	3 55.5 60.7 61.9 62.	3 55.5 60.7 61.9 62.	8 62.6 69.7 71.0 71.	8 62.6 69.7 71.0 71.	8 62.6 69.7 71.0 71.	8 62.6 69.7 71.0 72.		4 65.8 73.6 74.8 76.	0 67.7 75.9 76.8 78.	3 69.7 77.4 78.7 80.	.0 78.7 80.0 81.	.2 74.8 83.2 84,5 85.	.8 75.5 83.9 85.2 86.	.1 77.4 86.5 88.4 89.	.7 79.4 88.4 90.3 91.	9.4 88.4 91.0 93.	.7 79.4 89.0 91.6 94.	.7 79.4 89.0 91.6 94.	.4 80.0 90.3 92,9 96.	.4 80.0 91.0 93.6 96.	.0 80.7 91.6 94.8 96.	.0 80.7 91.6 94.8 98.	.0 80.7 91.6 94.8 98.	1.6 94.8	6 0.	0 0 70 7 00 7
VI 20	8.1 42.6 46.5 46.3 47.	50.3 55.5 56.1 56.	.8 50.3 55.9 56.1 56.	.8 50.3 55.5 56.1 56.	.8 50.3 55.5 56,1 56.	1 52.3 57.4 58.1 58.	3 55.5 60.7 61.9 62.	3 55.5 60.7 61.9 62.	8 62.6 69.7 71.0 71.	8 62.6 69.7 71.0 71.	8 62.6 69.7 71.0 71.	8 62.6 69.7 71.0 72.	8 63.2 70.3 71.6 72.	4 65.8 73.6 74.8 76.	0 67.7 75.9 76.8 78.	3 69.7 77.4 78.7 80.	.9 71.0 78.7 80.0 81.	.2 74.8 83.2 84,5 85.	.8 75.5 83.9 85.2 86.	.1 77.4 86.5 88.4 89.	.7 79.4 88.4 90.3 91.	. 7 79.4 88.4 91.0 93.	.7 79.4 89.0 91.6 94.	.7 79.4 89.0 91.6 94.	.4 80.0 90.3 92,9 96.	.4 80.0 91.0 93.6 96.	.0 80.7 91.6 94.8 96.	.0 80.7 91.6 94.8 98.	.0 80.7 91.6 94.8 98.	.0 80.7 91.6 94.8 9	.d 80.7 91.6 94.8 9	90.40 A.10 F.08 C
VI V	2.6 46.5 46.3 47.	0.3 55.5 56.1 56.	0.3 55.9 56,1 56.	0.3 55.5 56.1 56.	0.3 55.5 56.1 56.	2.3 57.4 58.1 58.	5.5 60.7 61.9 62.	5.5 60.7 61.9 62.	2.6 69.7 71.0 71.	2.6 69.7 71.0 71.	2.6 69.7 71.0 71.	2.6 69.7 71.0 72.	3.2 70.3 71.6 72.	5.8 73.6 74.8 76.	7.7 75.9 76.8 78.	9.7 77.4 78.7 80.	1.0 78.7 80.0 81.	4.8 83.2 84.5 85.	. 83.9 85.2 86.	7.4 86.9 88.4 89.	9.4 88.4 90.3 91.	9.4 88.4 91.0 93.	9.4 89.0 91.6 94.	9.4 89.0 91.6 94.	0.0 90.3 92,9 96.	0.0 91.0 93.6 96.	0.7 91.6 94.8 98.	0.7 91.6 94.8 98.	0.7 91.6 94.8 98.	0.7 91.6 94.8 9	0.7 91.6 94.8 9	0 4 0 V 10 F
AI	6.5 46.9 47.	55.5 56.1 56.	55.5 56,1 56.	55.5 56.1 56.	55.5 56.1 56.	57.4 58.1 58.	60.7 61.9 62.	60.7 61.9 62.	69.7 71.0 71.	69.7 71.0 71.	69.7 71.0 71.	69.7 71.0 72.	70.3 71.6 72.	73.6 74.8 76.	75.9 76.8 78.	77.4 78.7 80.	78.7 80.0 81.	83.2 84,5 85.	83.9 85.2 86.	86.5 88.4 89.	88.4 90.3 91.	88.4 91.0 93.	89.0 91.6 94.	89.0 91.6 94.	96 6.26 E.06	91.0 93.6 96.	91.4 94.8 98.	91.6 94.8 98.	1.6 94.8 98.	1.6 94.8 9	1.6 94.8 9	0 8. 46 A.
AI m	6.9 47.	6.1 56.	,1 56.	.1 56.	.1 56.	.1 58.	1,9 62.	1.9 62.	1.0 71.	1.0 71.	1,0 71.	1.0 72.	1,6 72.	4.8 76.	6.8 78.	8.7 80.	0.0 81.	4,5 85.	5.2 86.	8.4 89.	0.3 91.	1.0 93.	1.6 94.	91.6 94.	96 6.26	93.6 96.	96 B. 46	94.8 98.	94.8 98.	4.8 9	6 8 4	0 8 7
AI	. F 47.	.1 56.	,1 56.	.1 56.	.1 56.	.1 58.	.9 62.	.9 62.	.0 71.	.0 71.	,0 71.	.0 72.	.6 72.	.8 76.	18	.7 80.	.0 81.	. 58 85	.2 86.	. 4 89.	. 3 91.	.0 93.	. 6 94.	. 46 94.	.96 6.	. 6 96.	.86 8.	. 8 98.	.8 98.	. 8 9	6 8	0
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AI		. 9	56,		9	58.	2.	62.		71.	-	72.			50	80.	81.	3	86.	89.	91.	93.	94.	94.	96	96.	0	0	0	98.	98.	
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71 7					.0	8	2.	2	-	-	-	2.	2.		8	0	-	3	•	6	92.3	94.0	1.96	1.96	97.4	98.1	39.4	00.00	0000	0.00	0.00	0.00
Ā	2	^	S	2	S	2	9	0	1	1	1		1	_	-	æ	3	30	20	2								1001	100	1001	100	100
AI	*	8	8	*	8	80	9	9	4	-	1	1	4	-	-	80	8	00	00	00	6	0	6	0	6		4	010	910	010	010	010
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AI	*		8	80	8	2	9	0	1	1	1	1	7	1		0			5 86	4 89	3 92	8 94			6	1 98	66 4	0010	2100	100	0010	0010
-											_												1.	7	*	7	4	6	.0	.01	10.	0
		;	9	9	9		2.	2	1.	-		2.	2.	\$		c	-											00	00	00.	00	00
AI	1	-	5	5	2	5	0	9		-	-	1		-		80	00	æ	2 86	8	3 92	8 94	96 1	96	16 4	86 1	66 1	2100	0016	0010	0010	0010
*	-												6.	1.		•	.3		.3			80	1.	7.	*	7.		0	0.	10.	10.	.01
AI		56.	96.	96.	56.	58.	62.	62.	11.	71.	11.	72.	N.	0													.66	00	.00	00	00	00
	1% Y W Y W W W W W W W	1% 21% 21 2% 2% 2% 2% 25/16 2% 2	7.1 47.1 47.1 47.1 47.1 47.1 47.1 47.1 4	1% 21% 21 2% 2% 2% 2% 2% 25/16 2% 2 7-1 47-1 47-1 47-1 47-1 47-1 47-1 47-1 4	1% 21% 21 2% 2% 2% 2% 2% 2% 25/16 2% 2 7.1 47.1 47.1 47.1 47.1 47.1 47.1 47.1 4	1% 2 1% 2 1 2% 2 % 2 % 2 % 2 % 2 % 2 % 2	1% ≥ 1% ≥ 1 ≥ % ≥ % ≥ % ≥ % ≥ 5/16 ≥ % ≥ % ≥ 1 47.1 47.1 47.1 47.1 47.1 47.1 47.1 47	1% ≥ 1% ≥ 1 ≥ % ≥ % ≥ % ≥ 5/16 ≥ % ≥ 5/16 ≥ % ≥ 5/16 ≥ % ≥ 5/16 ≥ % ≥ 5/16 ≥ % ≥ 5/16 ≥ % ≥ 5/16 ≥ % ≥ 5/16 ≥ % ≥ 5/16 ≥ % ≥ 5/16 ≥ % ≥ 5/16 ≥ % ≥ 5/16 ≥ 6/18 ≥ 5/	1% ≥ 1% ≥ 1 ≥ % ≥ % ≥ % ≥ 5/16 ≥ % ≥ 5/16 ≥ % ≥ 5/16 ≥ % ≥ 5/16 ≥ % ≥ 5/16 ≥ % ≥ 5/16 ≥ % ≥ 5/16 ≥ % ≥ 5/16 ≥ % ≥ 5/16 ≥ % ≥ 5/16 ≥ % ≥ 5/16 ≥ % ≥ 5/16 ≥ % ≥ 5/16 ≥ % ≥ 5/16 ≥ % ≥ 5/16 ≥ 6/18 ≥ 5/18	7.1 47.1 47.1 47.1 47.1 47.1 47.1 47.1 4	7.1 47.1 47.1 47.1 47.1 47.1 47.1 47.1 4	7.1 47.1 47.1 47.1 47.1 47.1 47.1 47.1 4	7.1 47.1 47.1 47.1 47.1 47.1 47.1 47.1 4	7-14 - 14 - 14 - 14 - 14 - 14 - 14 - 14	7.1 47.1 47.1 47.1 47.1 47.1 47.1 47.1 4	7-14 - 14 - 14 - 14 - 14 - 14 - 14 - 14	7-14 47-1 47-1 47-1 47-1 47-1 47-1 47-1	7-14 - 14 - 14 - 14 - 14 - 14 - 14 - 14	7-14 - 14 - 14 - 14 - 14 - 14 - 14 - 14	7-14 47-1 47-1 47-1 47-1 47-1 47-1 47-1	14 2 14 2 1 24 2 4 2 4 2 5 10 2 4 2 5 10 2 4 2 5 1 4 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4	14 2 14 2 1 24 2 4 2 4 2 4 2 5 1 6 2 4 2 5 1 6 2 4 2 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1	14 2 14 2 1 24 2 2 2 2 2 2 2 2 2 2 2 2 2	7.14 7.1 47.1 47.1 47.1 47.1 47.1 47.1 4	7.14 7.1 47.1 47.1 47.1 47.1 47.1 47.1 4	11/1 2 11/2 1 47 1 47 1 47 1 47 1 47 1 47 1 47 1 4	7.1 2 1 1	7. 11% 21% 21 2% 2% 2% 2% 2% 2% 2% 2% 2% 2% 2% 2% 2%	7. 11% 21% 21 2% 2% 2% 2% 2% 2% 2% 2% 2% 2% 2% 2% 2%	7.1 47.1 47.1 47.1 47.1 47.1 47.1 47.1 4	7.1 2.14 2.1 24 2 24 2 24 27.16 24 27.16 2 4 27.1 47.1 47.1 47.1 47.1 47.1 47.1 47.1 4	1.6 2 1.6 2 1 4 7 1 1 1 1

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TOTAL NUMBER OF OBSERVATIONS

155

SOWS DIRNAVOCEANMET

93839

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NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

TAY

CEILING							VISI	BILITY (ST	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	2	٥ ٨١	S AI	AI AI	e VI	> 2%	2 4	YI %	¥1 YI	-	% Al	* 11	Z AI	≥ 5/16	N N	O AI
NO CEILING		42.6	3		5	46.	6	0	5	0		46.5	6	46.9	.0	46.5
> 20000		51.0	54.2	54.8	54.8	55.5	58.5	55.5	55.	55.5	55,5	55.5	55.5	55.5	55.5	55.5
18000		51.0	54.		3	55.		5	55.	5	5	55.5	5	5.	55.	55.5
00091 ₹		51.0	54.	54.8	84.8	55.		3		3	3	55.5	55.5	55.5	55.	55.5
> 14000		51.0	54.		54.8			5	55.		2	55.5	5	5.	55.	55.5
> 12000		52.9	56.	37.4	57.4				58.	8		58.1	8		58.	58.1
		58.7	62.	3	63.2			100	63.	3.	3		2			63.9
000		58.7	63.		63.8	64.5	. 3		94			64.5	:	•	0	64.5
		62.6	67.			æ	8		68.			68.4	49.69	68.4	68.	68.4
7000		62.6		67.7	67.7	4.89	68.4	4.89	68.4		68.4	68.4	68.4	68.4	0	68.4
1		62.6		-		C	8	8	68.		8	4.89			68.	68.4
2000		63.6			69.7	70.3		70.3	70.	70.3	0	70.3	70.3		20	70.3
1		64.9	1	0	-	71.	-	-	71.	-	-			•	71.	71.6
141		67.1				74.8	. 3		74.	74.8		4	74.8		74.	74.8
1		67.1			4	78.	è		76.		9	76.1			76.	
3000		73.6	80.	~		83.		84.5	84.	84.5	*	84.5		84.5	84.	84.5
1		76.1	82.6	1	85.8	86	87.1		æ	87.1	87.1	87.1	87.1	87.1	00	87.1
7 2000		81.9			2	93.	3		94.	4	*			;	94.	34.5
		81.9		-	2	93.	:		94.	4		2.46		94.2	94.	
1500		82.6	89.	N	*	94.	3			96.1	3			9	96	
		83.9	.06		5	96	-			98.1	98.1	98.1		98.1	98.1	98.1
VI 7000		84.5	91.	*		0			8	98.7	98.7		98.7		98.7	
8		84.9	16	*	9	0	8	98.7		98.7	98.7	98.7	48.7	98.7	98.7	98.7
008 A		84.5	91.	4	9	97				_	98.7		98.7			
		-		*	.0	6			98.7	98.7	98.7		98.7	98.7	98.7	98.7
009		-	1.		. 9	41			8				98.7	8	0	
2 300		84.9		. 4	6.	0	98.7	100.0	100.0	0	0	0	0.00	00	100	0000
7 400		-	-	4		98.1			100.0	00	00	0	0.0	0	-	
300			91.6		0		98.7		0.0	0		0.00	0000		100	
		84.9	-	;			7.80	100.0	00.00	0	0	000	0.0	0	10000	00.0
VI 8		84.3	91.6	94.0	8.96	94.1	98.7	100.0	100.0	10000	0	10000	100.0			0000
		84.9	91.6	;	9			100.0	00.00	0	100	0	0	100.0	100.0	0000

0

TOTAL NUMBER OF OBSERVATIONS

155

SOWS DIRNAVOCEANMET

MAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VISI	VISIBILITY (STATUTE MILES)	LTUTE MILI	(S)						
(FEET)	5	9	S) Al	1	11	> 2%	2 7	VI VI	71 71	- AI	% Al	* 11	VI Z	≥ 5/16	× Al	O AI
NO CEILING		40.0	42.6	42.6	42.0	42.6	2.		2.	42.6	42.6	42.6		3	42.6	42.6
≥ 20000			57.4	57.4	57.4	57.4	57.4	57.4	-	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 18000		54.2	57.4	57.4	57.4		-		57.4	37.04	57.4	57.4			57.4	57.4
≥ 16000			57.4	57.4	37.4	57.4		57.4	-	The same of	57.4	57.4	57.4	57.4	57.4	57.4
			58.1	58.1	58.1		8	8	8	5801	58.1	58.1	58.1		58.1	58.1
> 12000			59.4	59.4	59.4	59.4	59.4	59.4	\$9.4	59:4	59.4	59.4		59.4	59.4	59.4
			64.5	64.5		*	*	64.5	3	*	-	64.5		64.	64.5	64.5
0006 AI		61.3	65.2	65.2	65.2	65.2	65.2	65.2	65.2		65,2	65.2	65.2	•	65.2	65.2
1		65.8	69.7	69.7	6	6	6		6					69	69.7	69.7
> 7000		65.8	69.7		69.7	69.7	69.7	69.7	69.7		69.7	69.7	69.7	0	69.7	69.7
		65.8	69.7		6	6	6	6	6	69.7	69.7	69.7	6	69	69.7	
2000		66.3	71.0	71.0		72.3	. 2		72.3		72,3		5	72.	72.3	72.3
		67.1	71.6	71.6	72.3	~	2.	72.9	2	1209	72.9	72.9	72.9	72.9	72.9	72.9
1 4000		68.4	73.6	74.2		76.1				7691	76.1	76.1	76.1		76.1	76.1
		4.69	76.1	77.4				19.4		1904	79.4		79.4			79.4
3000		76.1	83.9	85.8		87.7	:			87.7	87.7	87.7	87.7	87.7	87.7	87.7
> 2500		78.7	86.5	89.0	5	-		•		91.0		91.0		0	91.0	91.0
≥ 2000		81.9	90.3					95.5	3	5	2			95.	å	95.8
		81.9	80°3		*		.0		0	9		96.1		96	96.1	96.1
> 1500		82.6	91.0	94.2			8.96	96.8			;	96.8		96	•	
		82.6	91.0	94.2				96.8	•	96.8	96.8	96.8		3	96.8	96.8
N 1000		83.9	92.3		97.4				8	8		98.7		0	98.7	-
006 2		83.9	92.3	95.5	97.4	96.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
		83.9	92.3	95.5	97.4			4.66			4.66	4.66		0	4.66	4.66
		83.9	92.3		97.4			4.66	4.66	4.66	4.66	4066	4.66	4.66	4.66	4.66
009		83.9	92.3		4.16		4.66	4.66	6		4.66	4.66	4.66	4.66	4.66	4.66
200		63.9	92.3		98.1	0	0000		0	10001		10000		100.0		100.0
1 400		63.9	92.3	96.1	98.1	0.0	100.0	100.001	100.001			10000	100.0	10000	100.0	1000
300		83.9	92.3	96.1		100.0	0.0	0	0.001	0.0	100.0	100.0	100.0	00001	100.0	
			92.3			1000	0.0	100.00	00.00	1000	100.0	10001	100	1000	1000	0001
8			92.3		1 686	100.0	100.0			1000	100,0	100.0	100.0		100.0	0001
		83.9	92.3	96.1	98.1	100.0	100001	100.001	0000	00001	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

93839

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1.8 L S T . MAY

200

(FEET) NO CEILLING NO CEILLING IV 12000 IV 11 14000 IV 10 10000 IV 10 100000 IV 10 10000 IV 10 10000	5	9 Al	5		-	-	1	1		1						
NO CEILING 120000 1V 1 14000 1V 1 14000 1V 1 10000 1V 1V 1				VI	es Al	Y 2%	7	7 %	¥1 %1	- AI	% Al	*	% AI	1 5/16	N N	AI .
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		3			8	80	80	8	8		8	8		48	48.	
		58.7		62.6	2.	62.6	2	62.6		2 .	62,6	62.6		62.	62.	62.
		80		2	2.	2	2.	2.	2	2	2.	2.		62.	62.	
		58.7		•	2		2			2	5	5		2	62.	
		58.7		2.	2.	2.	2.	2.	2	2.	2			2	62.	
The same of the same of the same of		60.7			*				5	4	*	*		*	64.	
The second second		6			8	00		8	8		8	8		8	68.	
1				6		5	. 6	6	6	6	0		0	6	69	
		0		9	9	9	3	0	9	0	0	9	0	9	76.	
		2			6			6	0	6	6	6		6	79.	0
1		3		0	0	0	6	c	0	0	0	0	0	0	80.	0
2000		3		-	3				3	-	'n	3	3	3	83.	
		0		4.	*		3	*	4	4	3	*	*	4	84.	3
14		81.9		89.7						69.7		89.7	89.7	89.7		89.
1		-			-	2	2:	2	2	2	2	2.	2	2	92.	2
3000		84.3		2	2	~	2	2	2.				3		93.	
		85.8		3	3	*	*	4.	4	*	*	;		*	94.	
2000		87.1			4	5			.0	9		•			96	
		87.1		*	4	5				9	9	9			96	96.
1500		87.1		5	3				•	-		-	-	-	97.	97.
		87.1		3	3		9	0	0	-	-	-			6	97.
0001		87.1			3				•	-	-	-	-	-	97.	97.
		87.7		.0	9			8	03	8	8	8			0	98.
008		87.7		9		-		30	8		8		98.7	98.7	0	98.
		87.7		9	. 9			8	3	8					0	98.
009		87.7		. 9					8	8	8			8	0	98.
		87.7		.9	9		00		4.6	0000	00	00	0	00	1001	0
1 400		87.7		9	:	-	00		4.6	0.00		ò	0	0	10000	100
300		87.7			C		20	1.86	4.6	0000	.00	100.0	100.0	100.0	100	0
1 200		87.1	8.46	8.96	96.8	4.16	98.1		99.41	0000	0	0	100.0		100.0	100.
8		87.7		•	0			98.7		0.00	100.0		100.0	100.0	-	100
		87.7		. 0	. 9	1		-	4.6	0000		0000	0	0	100.0	100.

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21 HOURS (LST.) MAY

E MILES)	0 1 % 1 % 1 % 1 % 1 % 1 % 1 % 1	.1 56.1 56.1 56.1 56.1 5	.69 0.69 0.69 0.69 0.69 0.60 0.	0.69 0.69 0.69 0.69 0.69 0.69 0.	.0 69:0 69:0 69:0 69:0 69:0	. 3 70.3 70.3 70.3 70.3 70.3 70.3 7	.0 71,0 71,0 71.0 71,0 71.0 71.	.8 74.8 74.8 74.8 74.8 74.8 74.8 7	.8 74.8 74.8 74.8 74.8 74.8 74.9	8 7 80.7 80.7 80.7 80.7 80.7 80.7 8	.9 81,9 81,9 81,9 81,9 81,9 81.	. 4 61.9 81.9 81.9 81.9 81.9 81.9 8	.2 85;2 85.2 85.2 85.2 85.2 85.	.5 86.5 86.5 86.5 86.5 86.5 86.5 8	. 7 89.7 89.7 89.7 89.7 89.7 8	0 91.0 91.0 91.0 91.0 91.0 91.0	.6 91,6 91,6 91.6 91.6 91.6 91.6 9	.3 92,3 92,3 92,3 92,3 92,3 92.	.5 95.5 95.5 95.5 95.5 95.5 95.5 9	3 75.5 95.5 95.5 95.5 95.5 95.5	.5 95:5 95.5 95.5 95.5 95.5 95.5 9	6 8.96 8.96 8.96 8 96.8 96.8 96.8	.4 97.4 97.4 97.4 97.4 97.4 97.4 9	. 4 97.4 97.4 97.4 97.4 97.4 97.	e 7 98.7 98.7 98.7 98.7 98.7 98.7 9	9 7 98.7 98.7 98.7 98.7 98.7 9	6 3.66 3.66 3.66 3.66 3.66 3.66 4.	.0100,0100,0100,0100,010	.0100.0100.0100.0100.0100.010	10.0010.0100.0100.01	0.0100.0100.0100.0100.0100.0100.0100.0	10.0010.0100.0100.0100.0100.0100.01	0100.0100.0100.0100.0100.0100.0100.0100.0
	۱۸ ح	6.15	69.0 69	69.0.69	69.0 69	70.3 70.	71.0 71.	74.8 74.	74.8 74.	80.7 80.	81.9 81.	81.9 81.	85.2 85.	86.5 86.	89.7 89.	91.0 91.	91.6	92.3 9	95.5 9	95.5 9	95.5 9	6 8.96	97.4	97.4	98.7 9	6 4.86	6 4.66	100.001	100,001	0.01	100.0010	0.010	0.010
	1	5	69	•69	69	3 70.	0 71.	8 74.	8 74.	7 80.	9 81.	81.	85.	86.	89.	91.	91.	92.	95.	95.	95.	96	97.	97.	98.	98.	66	100	100	0100	0100	0100	0100
		3	•	0	•	70	71	*	74	80	81	æ	2	50	8 1.	600	6 9	0	8	8	5	0	16 97	. 4 97.	. 4 98.		0.	10	2	10	.0100.		
TE MILES)		1	0	0	0.	- 6.	-0	.8	-	0	9	30	.2	3	2	0.	0		000	30.	. 50	0	0 4.	4.	0	. 7	4.	.010	.010	0010.0	00100	00100	0010
VISIBILITY (STATUTE MILES)	% A	6.1.5	9.00	9.0 6	9.0 6	0.3 7	1.0 7	4.8 7	4.8 7	0.7 8	1.9 8	1.98	5.2 8	86.5 8	9.7 8	1.09	1.6 9	2.3 9	5.5 9	5.5 9	5.5 9	6.80	7.4 9	7.4 9	8.19	8.7 9	6 4.6	0.010	0.010	0.01	00.0100	.01	00.0100
VISIBI	~ Al	1	0.6	0.6	0	~	0	30	8.4	1.0	5	3.0	2.5	86.5	1.6	1.0	1.6	2.3	5.3	5.5	5.5	8.9	7.4	7.4	8.1	8.7	4.0	10.	0.01	0.01	100.001	100.001	10000
	2 2%	56.	69	69	69	70.	71.	74.	74.	80.	81.	81.	85.	86.5	89.	91.	91.	92.	94.	94.	94.	. 9	•	0	•		00	00		98.7	98.7	98.7	98.7
	AI	6	0.69		69	70.		74.	74.	80.	81.	81.	85	86.5	89.	-	-	92.	94.	2 94.8	94.	0	0		0	0		0		1 98,1	1 98.1	1 98.1	1 98.1
	A1	1 56.	.69	_	.69	-	3 71.	-		œ		0			00	0	0	0 92.			. 94.	0	o	0	0	1	0	5	0	96 6		0	96 6
	4) Al	80	0	9	9	0	-	7	*	5.1	0	6	œ	-	8	3	8	007	6	0	0	6	2	0	0	6	6	6 6	5	26 6.	6 6.	6	
	۸۱	52	62	62	62	63	40	68	68	72	72	72	74	76	78	79	80	80	80	8	33	82	83	83	83	8.3	83	83	83	83	83	83	00
CEILING	(FEET)	NO CEILING	> 20000		00091 ₹		≥ 12000		0006		7000		2000		7 4000		3000		7 2000		2 1500		2 1000		008		000		1 400	300	2 200	81	

TOTAL NUMBER OF OBSERVATIONS

155

-

93839 STATION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOURS (1 \$ T.) MAN

484

CEILING VERSUS VISIBILITY

CEILING							VISI	VISIBILITY (STATUTE MILES)	TUTE MILE	(\$						
(FEET)	71	۸I	S) Al	A I	e Al	2 2%	7	71	VI 72	- AI	% AI	*	N %	≥ 5/16	× Ai	0 1
NO CEILING		45.2	6	-	-	-	-	2.	2.	2	2		2.			
≥ 20000		54.7	6	61.9	2		100	3	3	3	3		3	•		63.5
≥ 18000		54.7		-	2.	3.	3.		3.	3.	3		-			
≥ 16000		54.7	6		5.				3.	10	m		3			
≥ 14000		54.9	.0		3.				3.				3.			63.9
≥ 12000		56.9	2		5		. 0			•						
N 10000		60.7	9	68.6	.6	6		0	0	0	0		0			
		60.8		68.8	6	o	0	0	0	0	.0		0			70.7
		65.6	1.	74.4	5	5.	. 9		. 9		9		0			76.5
× 7000		66.1	2	75.1	6	.0	. 0	•		9	7		7			77.2
0009 A		66.7	72.7	75.7	76.9	77.1	77.3	77.6	77.6	77.6	77.7	73.7	77.7	77.7	77.7	77.8
1 \$000		67.3	3.	76.8	8	·	8	6	6	6	6		6			79.3
1 4500				77.7	6	5	6	6	6		0		0			80.2
1 4000		70.2		0	-	2	2.	5	5	2	3		3			83.2
3300				81.9	3.	4.	. 4	*	*	. 4	4.		*			84.9
3000			-	85.0	. 9	1.		7.	1.	-						88.2
7 2500		74.6	82.3	86.3	8	8	. 8	6	6		6		6			89.4
			3	89.0	-	-	2.	5	2.	5	2.		2.			92.7
V 1800		16.9			-	1.	2.	2.	2.	2.	N		2			92.9
		77.4		90.1	2.	2	3	3	3.	3	3		3			0.76
1200		78.0		0	3		*	*			5.		5			95.2
		78.4	9	-	*	4	5			9						96.5
& AI		78.6	•	:	*	-	. 9		. 9	•	9		.0			6.96
		78.7	:	91.9	*	2	. 9	-	:	1.	7		-			97.6
700		78.9	2	3	*	. 9	. 9	1:	7.		2.					98.0
% AI		79.0	-	95.4	5		1.	8	8	98.3	8	98.4	00			98.6
200		79.1	2	2	2	1.	8	6	. 6		6		6			99.5
		79.1	2	3.	5		. 8		6	•	6	99.5	6			99.7
38		79.1	-	2	3					•	6	•	6		49.7	99.8
		79.1	87.7	~	2	-		6	4.66		6	49.7				99.9
8		79.1	87.7	92.8			98.2		4.66	9666	1.66	1.66	8.66			6.66
		79.1	87.7	2		-	98.2	6	\$ 66	•	6	99.7	6		99.81	00.0

TOTAL NUMBER OF OBSERVATIONS

1240

SMOS DIRNAVOCEANMET

1

1 Malbayan

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

93839

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHISS TENNESSEE

93839 STATION

00 HOURS (1.5.7.)

NON

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2 10 2 6 2 3 2 4 2 3 2 2 1			0	0	0	0	0	3	3	3	0					6	0			0	0		•	•	50	·		•	0	0	0	0	0	9
10 2 4 23 24 23 24 24 24 2			14									8	06	92	92	93		96	96	98				6	66	66								
10 2 6 2 5 2 4 2 3 2 2 15 2 15 2 15 2 2		7								•	•													. 3		.3	.3		•	•	0	•	0	•
10 2 6 2 5 2 4 2 3 2 2 M 2 2 M 2 1 M		Al		80	80	80	80	00	30	80	0	0			0	0	6	96	6	0	0	86	66	66	66	66	66	66			001	001	001	001
10 2 6 2 5 2 4 2 3 2 2 % 2 1 %		8/16				•		•	6.	7.3	•		0.1	2.7		•	•	6.7			•	8.7	6.3	9.3	9.3	•	•		•		0.0	0	0.0	0
00 2 6 2 5 2 4 2 3 2 2 8 2 2 8 2 8 2 8 2 8 2 8 2 8 2 8			-	3	8	3	00	8			6	0	0	0	0	0	0	0	0	0	8	0	0						-	-	-	0	-	
00 ≥ 6 ≥ 5 ≥ 4 ≥ 2 × 2 × 2 × 2 × 2 × 3 × 2 × 2 × 3 × 2 × 2													0	5	2.																	•.	•,	3
10 2 6 23 2 4 23 2 2% 2 2 2 1% 2 1% 2 2 2 2 2 2 2 2 2			0									-					0	-	-										-	-	-	9	0	3
2 6 2 5 2 4 2 3 2 2% 2 5 % 2 1% 2				0					-	-	0	00	0	N	N	3	4	•	0	0	8	8	6	0	66	0	0	0	00	0	00	• 00	9	9
10 2 6 2 5 2 4 2 3 2 2% 2 2 2 1%			0	0	0	0	0	m		m	0	-	-	F.	-		0	-		0	0	-	~	m	100				-	-	10	5	5	3
10 2 6 2 5 2 4 2 3 2 2 k			1	80	80	80	80	83	87	87	06	90	06	92	95	69	76	96	96	98	86	98	66	66	66	66	66	66	00	00	0	0	0	8
10 2 6 2 2 2 2 2 2 2 2			0		0	0	0	·	•											0	0			m	•	•	-	M	.TE .	.31	16:	-	M .	3
10 10 10 10 10 10 10 10	(\$)	AI		0						87	06	6	6	92	92	23	40	96					66	60		66	66	66						
10 10 10 10 10 10 10 10	E MILI	7.											1.										. 3								7	•	1	•
10 10 10 10 10 10 10 10	TATUT																												56	6	56	5	5	2
10 10 10 10 10 10 10 10	TY (SI																										•		6.6	9.3	9.3	. 5		
10 10 10 10 10 10 10 10	SIBILI	ΛI	-	œ	80	80	30	00	8	3	6	0	6	0	0	0	0	0	0	0														~
10 10 10 10 10 10 10 10	>		3		0	0	0			-		0	0	2	2.		*		9		8	. 8	6		6	6					6	6		
2								-	-					-15	-				-		G.	er.			0	0	6	0	5	0				2
10 10 10 10 10 10 10 10			73.	19.	.61	79.	79.	82.	86.	86.	63	90.	06	92	92.	92.	93.	96	96	97.	97.	97.	. 36	98	86	98.	. 86	98	98.	98	96	0	98	9
0 12° 12° 12° 12° 12° 12° 12° 12° 12° 12°			-		-	-											-	m	m	-			7	m	w	m	103	m	101	m	m e	-	7	9
0 2 6 2 5 2 5 2 4 2 5 2 5 2 4 2 5 2 5 2 4 2 5 2 5			72	78	78	18	78	82	86	86	88	89	89	16	16	92	92	9	95	96	96	96												
2										•	0			-		•	0				0		0	0	0.	0	0	0		0	0	•	0	9
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		Αl	72	78	78	78	78	8	85	85	88	80	88	6	90	91	92	36	40	96	96	96	96	8	96	96	96	9	96	96	96	6	6	6
0 W W W W W C C C C C C C C C C C C C C											5.3																							
VI 000000000000000000000000000000000000		AI	1		7	-	-	-						-		00							6							6			0	-
2					9.3	6	6									0							4.0				. 4			4.0	;	:		
			0	•	9	•	9	-	-	1	7		7	00	00	0	00	8	00	80	30	8	100	30	20	39	30	80	30	30	20 0	0	. 0	°
			0		_		_		-				_		-		-		-			_			-			_	_			+	_	\dashv
CELLING CEL	LING	EET)	EILIN	20000	8000	9009	4000	2000	0000	0006	8000	2000	9009	2000	4500	4000	3500	3000	2500	2000	1800	1300	1200	90	8	8	700	8	900	9	300	28	8	1
8 8 N N N N N N N N N N N N N N N N N N	<u></u>	•	ON ON	ΛI	AI	AI	٨١	۸ı					AI	AI	A	M			Al	ΛI	Al	AI	Al	AI	AI	AI	AI	AI	AI	AI	AI.	AI	Al	Al

0

150

TOTAL NUMBER OF OBSERVATIONS

88.6

9006 6116 95.6

88.6

95.3

0.96

9096

0.96 95.3

9.96

99.3 98.7

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS

93839

2

CEILING (FEET)

NO CEILING

7 20000

18000

ALAI

J.

VIV 1200

000 000 000

ALAL

2000

AI AI

2000

MIM

4500 400 400

AI AI

3200

MIM

2500

AI AI

1500

AI AI

900

MIM

88

MIM

88

MIM

88

AI A

HOURS (1 S.T.)

STIE

0 11

AI

100.0100.0100.0100.01 98.7100.0100.0100.0100. 98.7100.0100.0100.0100. 98.7100.0100.0100.0100. 88.6 0.96 95.6 96.0 91.3 95.3 95.3 90.06 96.6 96.6 2 5/16 91.3 95.3 96.0 96.6 ۸۱ 94.6 0.96 9096 9006 0.96 9006 9096 92.0 ٨١ 82.0 0.96 90.96 79.2 95.0 65.3 96.0 96.0 76.5 76.5 65.3 96.6 PERCENTAGE FREQUENCY OF OCCURRENCE 9006 9696 76.5 83.2 96.0 96.0 96.0 96.0 AI VISIBILITY (STATUTE MILES) (FROM HOURLY OBSERVATIONS) 0.96 ٨I 90.06 0.96 87.9 94.6 95.3 0.96 96.6 9.46 90.96 98.0 ۲۱ ۲۳ 9006 96.0 92.0 95.6 94.0 76.5 96.6 95.3 0.96 9006 ۸I 6.46 82.6 9006 94.0 96.0 0.96 87.3 87.9 92.0 9.26 94.6 96.6 96.6 96.6 98.0 89. 2% ٨I 9.76 94.4 89,9 0.26 0.46 96.0 86.6 0.46 95.3 96.0 96.0 96.0 91.3 95.3 Al 79.8 92.0 83.9 73.0 95.0 85.9 95.6 0.76 91.3 63.3 M TENNESSEE 75.2 81.9 82.6 86.6 79.9 85.9 85.9 86.6 83.2 88.6 87.9 N 69.8 69.8 75.8 4.64 19.9 80.5 80.3 81.2 9999 73.8 80.3 81.2 81.9 81.9 66.4 66.4 73.2 73.8 75.8 80.3 81.2 6 . 7 A

TOTAL NUMBER OF OBSERVATIONS

149

7100.0100.0100.0100.0

88.6

80

MIM

88

MIM

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

93839 STATION

NOT WELL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	0100.0100.0100.0100.0 0100.0100.0100.01
1000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	100.0100.010 100.0100.010
	100.0100.0
V	1000
* 100000 C C C C C C C C C C C C C C C C	500
	000
	00.00
	98.71
VISIBILITY (STATUTE AILES) VI	98.7
	94.0
	92.6
4 m u u u u o o c c c c c c c c c c c c c c	84.6
11 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	77.2
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4.60
<u>9</u>	
CELLING CEL	

TOTAL NUMBER OF OBSERVATIONS

149

...

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

MEMPHIS, TENNESSEE

93839

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

SOL

09 HOURS (1 5 T)

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

HEMPHIS, TENNESSEE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S.T.)

99, 3100, 0100, 0100, 0100, 0100, 0100, 0100, 0100, 0100, 0100, 0100, 0 99, 3100, 0100, 0100, 0100, 0100, 0100, 0100, 0100, 0100, 0100, 0100, 0 ٨١ 75.3 0.46 0.86 80.0 66.66 76.7 82.7 88.7 96.7 96.7 98.0 8003 88.7 71.3 0.46 98.7 75.3 96.7 60.7 76.7 80.0 96.7 82.7 82.7 64.7 600 2 5/16 80.0 66.3 96.7 98.7 2 Al 98.0 66.3 72.0 75.3 75.3 80.0 0.46 98.7 96.7 76.7 82.7 60.7 60.7 88.7 96.7 60.7 64. Al 0.46 98.0 99.3 80.0 1.96 88.7 98.7 76.7 82.7 1.06 ٨١ 80.0 E . 66 82.7 6097 88.7 Al VISIBILITY (STATUTE MILES) 98.0 0.46 66.3 76.1 80.0 88.7 96.7 96.7 82. 17 80.0 0.46 66.3 0.86 75.3 88.7 82.7 96.7 76.7 96.7 600 0 4 4 6 80.0 88.7 16.7 82.7 16.1 96.7 7 0.46 E . 66 76.7 96. 82. .96 1 2% 98.0 96.0 96.0 80.0 88.7 N Al 82.7 95.3 68.0 75.3 76.7 95.3 97.3 98.7 80.0 92.7 64. 96 98. 98. 60 AI 92.0 78.0 80.0 92.0 70.0 74.7 89.3 84.7 ٨١ 59.3 66.0 70.0 71.3 83.3 83.3 83.3 55.3 72.7 76.7 83.3 82.7 83.3 83.3 80.7 82.7 83.3 68. 68.7 68.7 68. ٨I 2 NO CEILING (FEET) > 20000 18000 16000 12000 00 g 3000 2000 4500 3500 2000 1800 1200 88 88 ALAI AI AI AI AI ALAI ALAI ALAI ALAI AI AI ALAI ALAI AI AI

TOTAL NUMBER OF OBSERVATIONS

99, 3100, 0100, 0100, 0100, 0100, 0100, 0100, 0100, 0100, 0100, 0100,

99, 3100, 01000, 01 99, 3100, 010

83.3

83.3

88

AI AI

83.3

88

AI AI

80

AI AI

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

93839

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15 HOURS (1 S T.) JUN HONTH

CEILING							NISI	VISIBILITY (STATUTE MILES	ATUTE MILE	(S						
(FEET)	5 71	9 11	\$ 1	71	E AI	× 2%	1 N	¥1 ¥	¥1 YI	- 1	% Al	*	× AI	≥ 5/16	AI N	٥
CEILING		47.3	49.3	50.7	50.7		50.7	50.7	50.7	50.7		50.7		50.7	50.7	50.7
Z 20000		63.3	99	68.0	8	68.0			8		68.0	68.0		68.0		68.0
18000		63.3	0.99		68.0		68.0	-		0.80	8			68.0		68.0
00091		63.3	66.0		. 8	68.0	. 00		68.0		68.0	68.0				68.0
7 14000		63.3	66.0	68.0	68.0	8	0.89	8		6890		68.0		68.0	68.0	68.0
12000		64.7	67.3	€ 69		69.3			69.3							69.3
0000		68.0	70.7	72.7		72.7	72.7	72.7						72.7	72.7	72.7
000		69.3	72.0	74.0		74.0	74.0	74.0	74.0	74.0	74.0	74.0		74.0	74.0	74.0
0008		73.3	76.0	78.0												78.0
2000		74.7	77.3	79.3		. •	79.3	79.3		79.3	79.3				79.3	79.3
0009		74.7	77.3	79.3	79.3	79.3	6	79.3						79.3	79.3	79.3
2000		75.3	78.0	80.0		0	80.0	80.0		8000	80.0				•	80.0
4500		76.0	78.7	80.7	0	0			80.7	0	80.7		80.7	80.7	80.7	80.7
4000		80.0	82.7	85.3	85.3	86.0	86.0	86.0			86.0			86.0	86.0	86.0
3500		83.3	86.0	89.3	89.3	90.0		0		0006	90.0	0.06			90.0	90.0
3000		87.3	90.0			95.3	-	95.3	-					3	95.3	95.3
2 2500		87.3	90.0	4.7		95.3	95.3	95.3	95.3	95.3	95.3	95.3		95.3	65.3	
2000		88.0	90.7	95.3	95.3			•			96.0				0.96	0.96
7 1800		88.7	91.3	96.7	96.7		97.3	97.3		97.3	97.3	97.3		97.3	97.3	
1500		90.0	92.7	98.0											98.7	
2 1200		90.0	92.7	98.0	98.0	98.7	98.7	98.7	98.7	186	98.7	98.7		98.7	7.86	
2 1000		90.0	92.7		8			98.7	98.7	98.7		98.7			98.7	
8		90.0	92.7	98.0	0.86	48.7	98.7	98.7	98.7	186	98.7	98.7			48.7	98.7
900		90.7	93.3	98.7	98.1		99.3	8.66	66.3	80.3		99.3		99.3	666	99.3
200		90.7	93.3	66.3	66.3	100.0	0	100.0	100.001	0000	00.00	100.0		100.0	100.001	0.00
8		90.7	93.3	66.3	66.3	100.0	0	100.0		000	100.0	10000		100.0	100.001	0.001
905		90.7	93.3	66.3	E . 66	100.0	000	100.0	100.00	0000	100.0	100.0		100.0	100.0	0000
00 ×		90.7	63.3	66°	66.3	100.0	100.0	100.001	100.001	100.0	100.0	10000	100.0	100.0	100.0	0000
300		90.7	93.3	66.3	66.3	10000	100.0	100.0	100.001		0.001	10000	100.0	10000	10000	0.001
700		1.06	93.3		99.3	10000	100.0	100.0	100.001	0000	100.0	100.0	100.0	10000	100.0	0000
8		200	69.9			100.0	10000	6	0.0	000			0	0		00.00
2		100	4302	99.3	99.3	100.0	100.0	100.0	00.0	0000	0001	1000	0000	1000	1000	0000

0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

18 HOURS (LST.) JUN NATE

VISIBILITY (STATUTE MILES) YOUNG TO SECRET STATUTE MILES YOUNG TO SECRET SECRET STATUTE MILES YOUNG TO SECRET STATUTE MILES YOUNG TO SECRET SECRET SECRET SECRET STATUTE MILES YOUNG TO SECRET S	85.3 90.7
VISIBILITY (STATUTE MILES) 21% 22 2 1% 2 1% 2 1% 2 1 2% 2 % 2 % 2 %	W. C.
4 VISIBILITY (STATUTE MILES) 4 VISIBILITY (STATUTE MILES) 5 - 1%	00 00
29.0 29.0 29.0 29.0 29.0 29.0 29.0 29.0	000
29.0 29.0 29.0 29.0 29.0 29.0 29.0 29.0	00
12 % 12 % 12 % 12 % 12 % 12 % 12 % 12 %	6.0
1	00
7 5/6 69 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	3100
7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	100

0

0

TOTAL NUMBER OF OBSERVATIONS

150

SOWS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

99.3 99. 3100, 0100, 0100, 0100, 0100, 0100, 0100, 0100, 0100, 0100, 0 99. . 3100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 100.0100.0100.0100.0100.0100.0100.0100.0100.0100. AI 88.6 97.3 66.66 95.6 90.96 99.3 66.3 75.8 79.2 61.3 93.3 87.9 91.3 80.5 AI 86.66 87.9 88.6 91.3 95.6 96.6 66.3 19.2 86.66 75.8 80.5 85.9 91.3 93.3 97.3 97.3 2 5/16 66.66 Al 95.6 96.0 99.3 66.3 66.3 88.6 75.8 6116 91.3 85.9 87.9 80.5 97.3 97.3 91,3 99.3 Al 6666 9000 ۸۱ VISIBILITY (STATUTE MILES) 88.0 95.0 61.5 93.3 6-16 66.3 80.5 96.0 99.3 87.9 99.3 91.3 17 88.6 73.2 999.9 61.3 93.3 96.6 80.5 91.3 7 91.9 85.9 97.3 91.3 7 95.6 96.0 90.96 90.06 90.06 72.5 87.9 98 ٨١ 96.6 9:06 95.0 87.9 9006 99.3 99.3 66 66.3 89.3 99.3 98.7 ٨I 87.3 84.6 60.68 92.0 98.0 95.3 97.3 97.3 98.0 98.0 94.6 89.9 97.3 1 90.06 9006 88.6 85.2 91. 91. 89. 84.6 77.2 86.6 86.6 75.8 4.61 81.9 84.6 85.9 86.6 86.6 86.6 86.6 86.6 63.8 8.69 79.9 81.2 85.9 86.6 86.6 86.6 85.9 86.6 AI 2 NO CEILING (FEET) VI VI 0008 0008 0008 12000 900 2000 9000 4500 3000 2500 120 88 88 80 × 20000 88 88 AI AI AI AI AI AI ALAI AI AI 11 11 AI AI AI AI ALAI ALAI ALAI AI AI ALAI ALAI

TOTAL NUMBER OF OBSERVATIONS

441

SMOS DIRNAVOCEANMET

84.5 84.

84.5

84.4

83.3

86.0 86.5

86.0 86.5

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

MEMPHIS, TENNESSEE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

3

ALL HOURS (187

YEARS

VISIBILITY (STATUTE MILES)

٨I

1 2%

۸I

٨I

Al

AI

2

AI

(FEET)

NO CEILING 2 20000

71 72

70.07

73.0

70.2

70.2

70.2

100

70.1

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۸۱

≥ 5/16

2 AI

۸۱

٨١

٨I

0.0 70.1

83.2 78.8 73.2 84.3 70.3 83.2 84.3

17.9

78.9

78.9 83.3 84.4

73.3

73.3 6.41

> 84.4

84.1 84.3

84.1

83.0

83.0

83.0 84.0 84.2

400 4 W 6 U 8

82.0

80.1

76.2

75.3

71.4 72.3

66.4

VI VI

0

70.9

62.2

60.0

Y Y 1

83.3

81.2 81.4

71.5

2000

ALAI

78.5

77.7

72.1

6.49

63.6

64.0

59.8

VI VI 00081 0008

4.00 85.9 85.9 5006 89.0 86.4 84.5 89.0

86.4

86.2

86.2

85.7

84.0 85.1

82.7

78.5

72.9

5000

ALAI

83.2 85.4 86.8

78.9

80.8

74.9

ALAI

88.8

88.8

86.1

89.0

0.68

82.0

76.0

78.9

3500

AIAI

87.5

8006 89.0

6.06

8006

93.8

85.9

4096 93.8 2.96 6.46 5.06 93.8 6.46

2006

96.1 7.96 97.0

94.

93.7 96.1

99.00

94.0

90.9

87.0

79.4

96.3

6003

96.3

96.5

96.5

0.56

95.0

9006

9006

89.1

89.1

63.6

93.9

2016 91.6 2.96

98.5

4.96

97.5

4.96

97.9

96.5

95. 95.

93.1

81.0 81.0

1500

ALAI

92.4

87.1

80.5 80.5

2000

ALAI

93.2

87.0

93.6

81.1 81.1 81.4

900

AI AI

88

AIAI

98.5

98.8

97.7

98.6 97.3 98.3

97.3

97.7

98.9

98.3

98.6 98.9

4.66

E . 66 90.66

99.66

99.5

66.3

98.9

97.

5.96

81. 81. 81.

88

AI AI

88

AI AI

81.

64.46

94.5

47

94.

94.0

88.2 88.3 88.5 88.5

2.66

98.8

98.8

98.0

97.6

\$ 86 98.0

98.3

1300000

96.9

96

. 66

88.0

99.8100.0100.0100.0100. 99.8100.0100.0100.0100. 99.7

966

99.

96.3

97.

16

88

80

ALAI

4

94.9

81.

88

ALAI

81.

TOTAL NUMBER OF OBSERVATIONS

1197

SMOS DIRNAVOCEANMET

85.2

٨١

٨١

2 5/16

2 AI 94.8

8.46

95.5 97.4

97.4

95.5 98.1

97.4

96.1

98.

98.1

98.7

98.7

98.7

98.7

98.7

98.7

98. 98

94.2

93.6

88.4

84.2 94.8

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

TENNESSEE MEMPHISS

00 NOURS (1 S T)

705

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

۸۱ VISIBILITY (STATUTE MILES) 7 7 ۷۱ ۲ 1 2%

٨١

٨١

٨I

2 ٨١

(FEET)

NO CEILING

74.8

65.2

VI VI 00081 00081

74.8 74.8

65.3

V 14000

000 000 000

AI AI

0

74.8

85.2 93.6 2.46 85.2 85.2 10.3 85.2 88.4 93.6 94.8 95.5 97.4 94.8 98.1 98.1 98.7 98.1 ٨I 4.16 98.1 % NI 6576 9366 444 87.7 8000 84.5 92.9 24.5 92.9 97.4 84.5 94.8 92.9 93.6 96.8 34.2 93.6 92.9 24.5 8.46 69.7 87.7 92.9 92.3 92.9 97.4 87.7 2.46 96.8 83.9 93.6 92.9 92.3 96.8 96.1 85.2 90.3 91.0 92.3 85.2 90.3 91.6 91.6 94.2 8.76 94.8 67.7 94.8 81.9 90.3 91.0 92,3 94.8 90.3 94.2 95.5 94. 67 ٨I 83.2 92.9 91.6 80.0 80.0 80.0 80.0 89.7 6006 92.3 92.3 89.7 92.3 67.1 80.0

72.3

2000

AI AI

84.5 84.3

72.9 72.9

4500 4000

AI AI

1

85.2

86.5

74.2

3200

AI AI

87.1

74.8 74.8

2500

ALAI

83.2

71.0

2000

AI AI

78.1

83.2

71.6

99.4100.0100.0100.0100.0100.0100.0100.0 99.4100.0100.0100.0100.0100.0100. 99.4100.0100.0100.0100.0100.0100.0100. 14100.0100.0100.0100.0100.0100.0100. *100.0100.0100.0100.0100.0100. 99.4100.0100.0100.0100.0100.0100. 99.4100.0100.0100.0100.0100.0100.0 99.4100.0100.0100.0100.0100.0100.0100. 99.4100.0100.0100.0100.0100.010 98,1 98.7 98,1 4.66 4.66 98.1 98. 98.1 66 98 97.4 98.7 96.9 98. 98. 96.8 96.8 95.5 96.8 96.8 96.8 96.8 8.96 96.8 95.5

95.5

94.2 2.46

89.0

16.1

87.7

75.5

1200

AI AI

87.1

75.3

1500

AI AI

87.1

89.0

75.1

88

AIAI

96.09

94.2

TOTAL NUMBER OF OBSERVATIONS

4100.0100.0100.0100.0100.0100.0100.0

66

96.8

94.2

89.0

76.1

89.0

76.1

80

AI AI

96.8

96.8

94.2

89.0

76.1

88

AI AI

89.0

96.8

96.8

94.2

89.0 89.0

76.1 76.1

88

AI AI

94.2

89.0

16.1

88

ALAI

89.0

89.0

76.1 76.1 155

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

73-77

03 JUL HONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VISIA	BILITY (STA	VISIBILITY (STATUTE MILES)	(S)						
(FEET)	21	٨١	8	1	e Al	2 2%	2 2	٧١ ٧٧	¥1 ×1	71	% Al	*	Z AI	2 5/16	VI NI	٨١
NO CEILING		54.2		6	6		3		3	9	76.	.0		76.8		76.8
> 20000		60.7			3	100				-	87.	-	8		00	88.4
		50.7		0	3.	5			9	•-	87.			88	00	88.4
≥ 16000		60.7		0	3	101				-	87.			8	00	
		60.7		0		5			•		87.			38	88.	88.4
≥ 12000		60.7		0	3	30				-	87.			89.	89.	
				2.	.0	-	6		6	6	.06			91.	.16	
0006 AI		63.2		82.6			.6		6	60.4	90.		91.6	91.	91.6	91.6
				3	6	0	-	-:	-	2	92.			94.	. 76	*
7000		66.3		5	6	-	. 2	3	2	2	6			94.	94.	
		67.1		9	0	-	2.	2	2	3	. 76			95.	95.	
2000		67.7			-	~			3	*	94.			.9	96	96.1
		67.7		-	-	2		6			94.			9	.96	96.1
4000		67.7		87.1	-	2		3		+	94.		96.1	.0		96.1
		67.7		4	-		50	3	3	*	94.			9	96	96.1
3000		68.4			-	~			*	4	95.		96.8	.9	96	96.8
		0.69			65.3	93.6	8.76	8.46		95.5	0	96.1		97.4	97.	4.16
7 2000				89.0	2	*			2	•	96		98.1	8	86	98.1
1800				6	2.		3		3	•	.96			00		98.1
2 1500			-	89.7	3.		. 6		•	•	.26				86	98.7
		69.7			3		.9	•	.0		97.		98.7	98.7	0	98.7
1000		69.7		0	*			•		-	96		4.66	6	66	4.66
006		69.7		.0		3	0			91.4	98.	98.1	*	66	4.66	4.66
		69.7		:			-	-	2	*	96	8.7	00.00	0	100	100.0
		69.7		-	3	96.1	:	-	-	8	98.	8.7	0000	00	100	
009		1.69		1:	+		4.16	-	-		98		0.00	.00	10	0
200		69.7		-		96.1	-		-	98.1		8.7	0		100.0	0
7 400		69.1		91.0	. 4		97.4		2	98.1		98.7	00.00	00	100.0	0
300		69.7	83.9	91.0	8.46	96.1	7.	1.	4.46	Tallie.	98.7	8.7	0.00	0	10000	100.0
		69.7	-	91.0				4.76				8.7	00.00	00	100.0	0
8		69.7		91.0	8.46		4.16	1.		98.1	98.7	98.7		10000	2	100.0
٥		69.1	-	91.0		96.1		4.76	97.4					100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

1000

DIRNAVOCEANMET SMOS

93839 STATION

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

93839 STATION

73-77

CEILING	6 VI	NO CEILING	> 20000	18000	00	14000	8	00001	8	8000	8	8	2000	4500	8	3500	8	2500	8	1800	8	1200	8	006	8	700	8	200	8	300	8
	۰ ۸۱			25.2											31.0												33.6				33.6
	\$°	35.5	40.7		40.7	40.1	41.9								51.	51	1	52.			1					54.2	54.8	54.8	54.8	34.00	54.8
	7	43.2	48.4		48.4		51.0					•				63.2		64.5			•	65.8		65.8		67.7	4.89			68.4	68.4
E S	es Al	52.3	30	58.1		58,1	60.7		67.7		2.		2.				75.5	16:1	77.4	77.4		78.1		78.1		80.0	0		80.7	80.7	80.7
TOOK!	> 2%		2	62.6		9.29	50	71.6	Ci.	76.8		77.4	77.4	77.4			80.0	0	82.6	82.6	2.	•		83.2		88.2	85.8				85.8
	N Al	56.8	. •	4	64.5	+	67.1	74.2		79.4	80.0	80.0	0	80.0	0	•	2	200	-	85.2	3	85.0	0			88.4	89.0			89.0	89.0
VISIBILITY (STATUTE MILES)	۲۱ ۲۰	59.4	67.1	67.1	67.1	67.1	69.7	76.8	77.4	-	82.6	2.	2.	82.6	0		3	80.0	6	89.0		89.7	90.3	90.3		2	•			92.9	92.9
ATUTE MILE	YI 7.	59.4	67.1	67.1	67.1		69.7	•.	-	1.	85.0	2.		82.0	-	*	3	40.0	6	89.0	6	89.7	0		3	3	2.	92.9	2	2	6.26
S S	71		08.4		4.80	4.80	710	78.1	78.7	2 : 69	-	63.9	9	3	3	200		0			0	910			5		3		94.8	Sign Tra	8.46
	% Al	61.9	6			69.7	2		0	84.5	1	3.	2.	85.2	-	87.1	8		-	91.6	2		94.2		96.1		0			98.1	1.96
	*	6110	69.7	1.69	69.7	69.1	72.3	6			3		5.	85.2		-	8		-	91.0	2		34.5	24.5	96.1	1.96		97.4	97.4		98.1
	Z AI	2	0	70.3	0	0		80.0	0	85.2	5	85.8	2	85.8	87.1	-				92,3	?	34.5		94.8	0	96.8		98.1	8	4.66	4.66
	≥ 5/16	9.29		70.3		70.3	2	80.0	0	85.2	3	3.	85.8	85.8	87.1	-	6		2	92.3	2	94.2	4	*	9	•	4.16		98.7		4.66
	VI 74	9.29	0	70.3	0	70.3		80.0		85.2	2	2	85.8	5	-	-		200	5	92.3		94.2	•				4.16	98.1	8		4.66
	٨١	62.0	70.	70.3	70.3	70.3	72.9			85.2		•	85.8	85.8		87.7	89.0	89.1	92.3	92.3				95.5			98.1	98.7	4.66	000	00.0

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

0

1

3

1

0

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

00 HOURS (1.5.7.) JUL

																1
CEILING							VISI	BILITY (ST.	VISIBILITY (STATUTE MILES)	(\$)						
(FEET)	N 2	9 Al	٧١ د	4 1	ε Al	2 2%	7	VI %	AI AI	~	% Al	*	Z AI	≥ 5/16	VI VI	٨١
NO CEILING		32.3	3	4		00	6	-	-	-	-	-	1	-	-	
¥ 2000		39.4	2	64.9			71.0	-				72.3				72
> 18000		39.4	2	*		3	-	-	2	2	2	2.	2	2	2	
16000		39.4	2	4		-		-		2		3		2		72
> 14000		39.4	2	5	-	0	-	-	20	2		2		2		72.
12000		40.7	*			-			*	+		74.2	74.2		74.2	1
		44.5	8	0	2	*	9	-	8	8	8	8	8	80		78.
000		48.2	58.	-	. 4	.0	100	8		0	0	0	0	0		80
		48.4	-	10	6	-	100		3	5	2	3	3.		5	
200		48.4	.19	5	0		-		3	3	2	3	2	5	3	85
1		49.0	63.		0	2	3	5		-		-	-		:	
900			63.		0	15	-		-	-	-		-	-	-	87.
1			63.		0	*	3	0	2	-	-	-	-	-	-	
8			63.		-	100	*	-	-	8			8	8		88
1			63.9	77.4	81.9	84.3	86.5	87.7	88.4	0.68	89.0	89.0	89.0	89.0	89.0	89.
300		52.3	99	0		-		0	-	-	-	-	:	-	-	
1			67.		5.			-	-	2	2	2	2	2.	2.	92.
7 200			67.	-	3	4	0	:	~	2	2	2	2	2	3	N
		52.9	67.	-	5	80	0	-	2	3.	2	2	2	2	3.	
1500		53.6	69	3	-	0		-	*	\$	*	•		*	;	
		54.8	70.	*	6	-			3	9	0		9		9	
90				. 4	6	2	. 3			-	-	-		8		98
		54.8			0	**			-	8	8	8	8	8		
00 AI				5	0	~	-			80			8	8		86
		54.8	73.0	85.2	0	CV	3	9		8	8		8	8		
9		54.8	71.0			2		-					6	6		
		54.8	71.0	5	-		.0			6	6	4.6	00.00	00	0	
8		54.8	71.0		-	(·	. 0					4.6	0.0	0	:	100
		54.8	71.0	85.2	-	fet.	¢			6	6	4.6	0000	.00	0	
8		54.8	71.0	85.2	-	-				4.66		4.6	00,00		0	100
		54.8	71.0	85.2	-		96.8	98.1	1.86		4.66	*	0000	00	0	
٥		54.8	71.0	85.2	91.0	93.6			98.7		4.66	99.41	100.0	100.001	0	100

TOTAL NUMBER OF OBSERVATIONS

14.2

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

TENNESSEE MEMPHISS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

٨i 77

٨١

٨I

≥ 5/16

٨١

65.8

65.2

61.9

56.8

4 4 4 4 4 4 W

61.9 61.9

80.95

48.4

VI VI 00081 00081

56.8

٨I

Al

۸۱

2

(FEET)

NO CEILING

71.0

74.8

74.2

74.6

74.8

2222

65.2

9000

ALAI

55.5

56.8

58.1 60.7

4500

ALAI

3300

AI AI

70.3 71.0

70.3

78.1

82.6 91.6 8.46 96.8

82.6

82.6 91.0

81,3 92.9 8.46

87.1

19.4

76.1

68.89

17.7

69.7

74.2

13.6

73.6

70.3

64.9 64.5 64.9

56.1

2000

56.1 56.1 56.8

67.7

53.6

54.2

74.8

92.3

83.2

78.7

78.1

92.3 95.5

92.3

4.16

97.4

9698 96.8

96.4

96.8 96.8

96.1

89.0 89.0

31.3

70.3

2500

ALAI

96.1

96

89.7 E . 06

81.3

70.3

1500

AI AI

70.

94.8

8.46

91.6

91.6

34-14

166 99.

. 86

91.6 91.6 91.6 91.6

81.9 82.6

71.0

1200

AI AI

71.6

82.6

71.6

88

ALAI

98.7

91.6

71.6

88

ALAI

Sala Maranta

91.6

82.6 82.0

82.6

11.0

88

ALAI

82.6

91.6

91.0

91.6

82.6

80

AIA

88

96.1

99.4100.0100.0100.0100.0100.0 99.4100.0100.0100.0100.0100.

.00.0100.0100.0100.0100.0 .0010.010.010.0100.0100.0

99.4100.0100.0100.0100.0100.0

99

TOTAL NUMBER OF OBSERVATIONS

155

SMOS

DIRNAVOCEANMET

76.8 76.8 76.8

78.1

83.9

95. 86.

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS

93839

TENNESSEE

TS 1) SUNON

٨١

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

٨I

CEILING (FEET)

NO CEILING

≥ 20000

12000

8000 7000

ALAL

2000

ALAI

2500

ALAI

3500

AI AI

4500

AI AI

1500

AI AI

1200

ALAI

88

ALAI

88

ALAI

88

AIAI

88

ALAI

99.4100.0100.0100.0100.0100.0100.0100. 99.4100.0100.0100.0100.0100.0100.0100. 99.4100.0100.0100.0100.0100.0100.0100. 99.4100.0100.0100.0100.0100.0100.0100. 100.0100.0100.0100.0100.0100.0100. 99,4100,d100,d100,d100,d100,d100,d100. 99.4100.0100.0100.0100.0100.0100.0100. 95.5 3.6 8.97 83.9 98.7 5.9 86.5 98.1 8.9 8.9/ 78.1 78.7 ۸۱ 95.5 98.7 98.7 16.8 76.8 83.9 78.1 86.5 86.5 2 5/16 2 ٨I 0.69 73.6 76.8 83.9 86.5 16.8 76.8 78.1 95.5 98.7 98.1 98.7 ٨١ 76.8 76.8 85.8 86.5 86.5 94.8 95.5 95.5 98.7 98.7 K N 73.6 16.8 69.0 83.9 7.86 78.1 76.8 Ā 4.16 76.1 76.1 1.86 7 97.4 4.66 78.1 8.46 76.1 98.1 98.1 76.1 66 ٨١ 4.16 76.1 77.4 94.8 83.2 78,1 85.8 4.66 99.4 4.66 76.1 98.1 99.4 Al 93.6 96.1 96.8 96.8 85.2 78.1 76.1 83.2 98.1 76.1 76.1 98.1 98.1 98. 98. 98.1 98 98. ¥ 2% 1:96 93.6 76:1 76:1 77.4 78:1 83.2 8.96 8.96 98.1 98.1 98.1 98. 98. 96 98 .86 ۳ ۸۱ 72.9 65.2 72.9 74.8 65.6 93.6 65.2 74.2 80.0 69.7 94.2 69.7 81.9 90.3 94.2 ٨I 69.0 73.6 61.3 75.5 86.5 87.1 69.7 83.9 85.8 86.3 87.1 87.1 87.1 87.1 87.1 •09 67. 67.1 65. 67. 000 900 ٨١ 59.4 59.4 6.21 73.6 54.8 54.8 59.4 65.2 73.6 74.2 74.2 74.2 74.2 74.2 14.2 71.0 74.2 74.2 74.2 54.8 58.1 60.0 74.2 74.2 74.2 58.1 60.7 63.2 ۸۱ 2

TOTAL NUMBER OF OBSERVATIONS

155

80

AI AI

98.

4.66 98.7 98.1

98.7 98.1

1.86

98.7 98.1

4.66 66

98.

96.8

92.3

87. 87.

75.5

88

ALAI

98

96. 96.

92.3

88

AI AI

98.

4.7.0

1.96

87.1

1800

AI AI

900

2000

75.8

96.8 97.6

96

96.

92.3 92.3

37.

75.5

88

ALAI

99.4100.0100.0100.0100.0100.0100.0100. 99.4100.0100.0100.0100.0100.0100.0100.

99.4100:0100:0100:0100:0100:0100:0100:

7

80.

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MENPHIS, TENNESSEE

93839

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

18 JUL

٨١

CEILING							VIS	VISIBILITY (STATUTE MILES)	ATUTE MILI	ES)						
(FEET)	VI 5	۰ ۸۱	\$ AI	4	e Al	2 2%	2 N	۲۱ ۲۰	VI 7.	- AI	× AI	*	N %	2 5/16	Al	7
NO CEILING		38.1	42	45	46.5	47	48	48		6	6	64	64		1	0
≥ 20000		59.4	96	70.	71.6	72	73	73.		74.2	*	7	74	-	2 74	
N 18000		59.4	99	70	71.6	72.	73.	73.		5	*	*	74	-	-	2.
≥ 16000		59.4	99	70	71.6	72.	7	73.		4	4	2	74	-	-	4.2
14000		59.4	66.5	70.3	71.6	72.3	73.6	73.6	73.6	74.2	74.2	74.2	-	74.2	-	. 2
≥ 12000		60.0	9	71.	72.3	72.	74.	74.		*	+	7	7	-	-	
N 10000		64.9	72	76.	78.1	78	80.	80.		ō	0	80	80	8	æ	
0006		64.9	72	76.	78.1	78	80	80.		0	0	80	80	0	æ	
0008		65.8	74	78.	80.0	80.	81.	81.		2	2	82	82	0	œ	
7000		65.8	4	78	80.0	80.	80	81.		2	2	82	82	30	œ	
0009 4		66.5	74	78.	80.7	81.	82.	82.		3	3	83	83	80		
2000		66.9	10	80.	82.6	83	84	84.		5	3	6.5	85	30		
V 4500		67.1	70	80.	83.2	83.	85.	85.		5	5	88	85	00		
4000		67.7	78	82.	85.2	83	87	87.		-	-	87	87	8		
		69.7	80	85.	88.4	89	906	90.		-	-	16	16	0	16 0	
3000		74.8	86	91.	8.46	95	96	96		-	-	2	97	9		•

TOTAL NUMBER OF OBSERVATIONS

66

8

96

80

AI AI

88

4.66

155

0

98.1

100.0100.0100.0100.0100.

99.4100.0100.0100.0100.0100.0100.

98.7

92.9 6.26

4.8

88

AI AI

92.9

87.

88

ALAI

AI AI

ALAI

ALAI

MIAIA

98.7

98. 98.

92.9

87.

80

AI AI

88

AI AI

and the same

99.4100.0100.0100.0100.0100.0100.

100.0100.0100.0100.0100.

99.4100.0100.0100.0100.0100.0100.

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

(FROM HOURLY OBSERVATIONS)

PERCENTAGE FREQUENCY OF OCCURRENCE

21 HOURS (LST.) 3

٨

88.4 88.4 88.4 91.6 4.16 80.0 86.5 8.96 83.9 85.2 87.1 87.1 92.3 98.1 79.4 1 ۸۱ 80.0 88.4 4.66 4.66 19.4 4.66 4.66 4.66 85.2 87.1 91.6 96.8 4.6 83.9 88.4 4.16 86.5 87.1 92.3 98.1 2 5/16 98.1 86.5 86.5 4.00 AI 88.4 4.66 80.0 91.6 96.8 4.66 92.3 92.3 98. AI 8.96 Al 19.4 91.0 84.5 80.0 86.98 9696 98.7 96.1 98.7 98.7 ٨١ VISIBILITY (STATUTE MILES) 865.0 83.2 91.0 98.7 7 1% 4.76 91.6 83.2 86.5 98.7 84.5 96.1 87. ٨I 35.8 91.0 \$ \$0 \$ \$0 \$ \$0 \$ \$0 96.8 96.1 7.86 98.7 98.7 98.7 AI 81.9 78.7 80.0 83.2 92.3 87.1 92.9 91. 1 2% 92,3 74.2 83. 80.0 96. ۸I 85.2 85.8 91.0 91.6 91.6 92.9 72.9 92.9 65.6 80°3 92.9 92.9 0°0 81.9 81.9 A 73.6 76.8 81,3 80.3 0.69 77.4 87.1 87.7 87.7 69. 87.1 70. 80. ٨١ 73.6 61.3 65.2 0.69 0.69 74.8 64.9 66.3 67.1 14.2 4.8 4.8 444 60.7 60.7 67.7 60.7 67.1 ٨I 2 A NO CEILING (FEET) VI VI 1800 1600 900 900 900 Y 1 400 2000 2000 4500 3000 2500 1500 900 88

AI AI

AI AI

ALAI

ALAI

AI AI

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

200

CEILING							VISI	BILITY (ST.	VISIBILITY (STATUTE MILES)	(5)						
(FEET)	5 10	9 1	85	7 1	60	≥ 2%	2 4	٧١ ح	¥1 Y	-	% ·	*	٧ ٨	≥ 5/16	VI V	N 0
NO CEILING		40.4	6.0	54.2	50.9	58.0	59.1	59.6	59.7	74.8	60.5	60.6	15.5	78.5		60.7
V 18000				-	1-	2 0			1	3	5					
1 1 2 000		51.7				i ev		*		4	3				75.5	75.5
		51.7	:	7	-	~		*	*	5	3					
≥ 12000		52.4	2	6	2.			5.	5.	5.	.0					76.6
≥ 10000		55.7	66.4	•	.0	7.	6	6	6	80.2	0					80.9
0006 AI		55.9	66.7	3	.0	8	. 6	0	0	0	-					81.5
		58.0	69.4	.9	.0	1.	3.		3	•	*					84.8
2 7000		58.2	69.7	9		-	3	3.	3		*					85.1
		58.5	70.0	7	0	-	3.	4.		4	5				85.4	85.4
2000		58.9	70.7	-	-	64	*	2	3	5						86.3
		59.1	•	0	-	10	3	3	3		9					86.6
4000		59.8	2		3	*		-	-	-	*					88.6
		8.09	3.		3		8		6	6	6					
3000			-	*	.6	0	. 2		3	3	;					94.6
1		64.8	œ		0	-		*	*	3	5					95.8
N 2000		65.4	6		-	2		2	3	•	0					96.7
1800		65.4	6		-	2	. 4	5	5.	9	9					96.7
> 1500		65.8	6	-	2	3	3.			9	-					97.6
		66.1		-	2.	*			.0	-	2					98.2
N 1000		66.2			3	4	.9	7.		8	8					0066
0% AI		2.99	.0		3.	. 4	.0	1.	1.	8						99.1
		66.3	0		3	3	1:		:	8	6				•	4.66
		66.3	0		3	5	-		8		6				4.66	99.5
09 AI		66.3			3.	5		8	8	8	6					99.7
A1		66.3	.0		3.	3	-	8	8	8	6		99.8		99.8	99.8
		66.3			3		:	8	8	8	6					6.66
38		66.3	80.5	88.7	3		-		8	8	6					0001
-		64.3	•			3	2		8	8	4.66				•	0000
VI 8		66.3		88.1	93.7				œ	80	4.66		6.66		6.66	00001
1		66.3	•			30		8	8	8	4.66	•			•	0000

10

0

0

C

0 0

1240

TOTAL NUMBER OF OBSERVATIONS

SMOS DIRNAVOCEANMET

1

Mandanessa

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

00 HOURS (1 \$ T) AUG

CEILING							VISIL	BILITY (ST.	VISIBILITY (STATUTE MILES	(S:						
(JEE)	٧١ ٥	%	9	AI	M Al	1 2%	7 Al	71 %	77	Ā	% Al	*	VI %	2 5/16	× 11	ΛI
NO CEILING		51.6	64.3	74.8	-	77.4	-	77.4		17.4	11	77.4	-	-	77.4	-
≥ 20000		56.1	69.7	81.3		83.9		83.9	3	•	83.	83.	3	83.9	3.	83
> 18000		56.1	69.7	81.3	3.	3	3.	3.	3.		83.		3	83.	83.9	83
N 16000		56.1	69.7	81.3	3	-	19	3		•	83.		3	83.	83.9	83
		56.1	69.7	81.3	*	83.9	3	83.9	3.		83	00		00		83
2 12000		57.4	71.0	82.6	'n		. 5	5	85.2	5			85,2	85.2	85.2	83
		61.3	75.5	87.1	89.7		89.7	89.7		69.7	89.			89.	6	
0006 1		6103	75.5	87.1	6	6	6	6	6	•	89.	89.	89.7	89.		89
		63.9	78.1	89.7	2.		2	•	2.	3	0	0		92.		92
7000		63.9	78.7		3	~	2	2	2	~	92.	92.	5	92.	3	
		63.9	78.7	90.3			2	•			0	92.	2.	920	2	92
2000		64.3	79.4	91.0	3	100	-	3	3	3	93.	93.		93.	93.6	63
		64.3	79.4	91.0	3		3	93.6	93.0	3	0		93.6		93.6	63
4000		64.9	80.0	91.6	*	4	;		*	*	94.	94.	*	94.	94.2	*
1		64.9	80.0	91.6	3	4	*		*		. +6	94.		94.		36
300		66.9	81.9	-				96.8			96	96		96	;	96
1		6.99	81.9	84.2	9	•	0	•			0	0	96.8	0	96.8	96
7 2000		67.7	83.2	95.3	8	0			8		0			0		
1800		67.7	83.2	95.5	1.86	93.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98
≥ 1500		67.7	83.2		98.1					•	0		98.7		98.7	
1200		67.7		98.5	1.86			7.86	98.7	•	96	98.7	98.7	98.7	98.7	9
		67.7	3302		98.7	6			4.66	•	0	4.66	99.4		4.66	
00 Al		67.7	•		98.7				4.66	•-	0	4.66	4.66	•	4.66	66
		67.7	83.2		98.7	4.56			4.66		0	4066	99.4		4.66	
		67.7	83.9			100.001	0.0	0	100.01		20	.00	0	01	100.0	100
8		67.7	83.9	96.8	99.41	100.001	0	0	100.001		10	10000	100.0	2	100.0	100
		67.7	83.9		4.6	0	00.00	100.0	100.001	0	100	100	0	0	100.0	
1 400		67.7		96.8	4.6	100.001	00.00		100.00	10000	100.0	100.		10	100.0	100
		67.7	83.9		99.4	100.001	00.00	100.0		0	0.001			100	100.0	
Y 200		67.7		96.8		100.001	0.0	0		100.0	100,0	10000		-	100.0	8
91		67.7	83.9			100,001					100.0	100.0	100.0	100.0	10000	001
		67.7	83.9	96.8	99.4	100.001	00.00	100.00	100.001	10000	100.0	1000	100.0	100.0	100.0	0

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TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY JAN 78

110

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPILS, TRANKSEE

93839

PERCENTAGE FREQUENCY OF OCCURRENCE

03 HOURS (1 5 T.) AUG

2 3

CEILING		CEILING	20000	18000	_	14000		0000		8000		0009	_			_	-	-	2000	1800	-	-	000	006	-	200	-	900		-	300	
	2																															-
	۰ ۸۱		-	47.1		7.		*	3	7		90	8	8.	58.7	00	6	. 6	0	.6	6	0	-	-	-	-	-	-	2	2	62.6	6
	S)	3	0	.0	.0		:	8	6	1.	2.	3.	2.	2.	2.	2.	2.	2.	3.	5.	2.		*	2	3	2	3			•	76.8	5
	VI	65.	72.	72	72.	72.	73.	80.	80.	83.	84.	84.	84.	84.	85.	85.	85.	88.	85.	83.	83	86.	87.	88	88	œ	68	68	89.	œ	89.7	Œ
	۸I	69	70	16	76	16	78	84	85	87	89	89	89	89	89	89	91	16	6	6		92	93	96	94	96	46	94	95	5	95.5	200
	1 2%	71.	-	78	78.	7	19	85.		68	90.	90	90.	90	0	91.	92.	92.	92.	92.	92.	66	94.	93	95.	95	95.	96	96	96	96.8	
X	1 2	72.	80.	•08	80.	•08	81.	87.	88.	•16	92.	.26	92.	92.	92.	92.	94.	94.	94.	94.	94.8	95.	96	97.	97.	97.	97.	98.	98.	98.		200
SIBILITY (SI	۲۱ کا ۱۳	73.	80.		80.	80.	81.	88.	89.	•16	92.	92.	92.	92.	93.	93.	94.	94.	95.	95.	0	96	97.	96	98.	98	98.	98.	66	0		0
VISIBILITY (STATUTE MILES	71 7	73.	80.	80.	80.	·08	81.	88.	89.	.16	92.	.26	92.	.26	93.	. 86	94.	94.	95.	95.	95	96	97.	98.	98.	98.	98.	98.	66		4.66	4.00
.ES)	1 1	73.	80.	80.7	80	80.	8 1 .	68.	68	919	92.	92.	92.	920	93.	930	24.	76	95.	95.	95.	3 11	97.	D :	2	98	0	98	66	4.66	4.66	7.66
	% Al	3	0	80.7	0		-	88.	89.	91.	92.	92.	92.	92.	93.	93.	94.	94.	95.	95.	0	6	-	8			8	8	0	0.0	00.00	3
	*	6	ò	80.7	ò		-	8	6	1.	2	2	2.	2.	3.	3.	*	4	3	3	95.5	•	-		8	98.1			0.0	0000	0	0.00
	Z Al		0	90.7	0		-	8		1.	2	2		2.	3	3.		*	2	5	95.5	•	-	8	8	8	8	8	0	000	100.00	000
	≥ 5/16	3.	ò	80.7	0		-	8	6	1.	2.	2	2	2.	3.	3.		4	2	5.	95.5	1096	-	1.86	1.86	98.1	98.1	98.7	100.001	60		0000
	× 11		0		0	•	-	8		-	2.	2	5	2.	3.	3.		:	3	3	95.5	•	-	98.1	8		•		100.0	0	00	100.0
	0 2	73.6	80.7	80.7	80.7		81.9	88.4		91.6		92.9			3.	8	;	8.46	3	95.5	95.5	96.1	97.4	98.1		98.1		98.7	0000	0.001		0000

TOTAL NUMBER OF OBSERVATIONS

155

SMOS DIRNAVOCEANMET

85.8 85.8

85.2

24.5

83.9 83.9 84.5

83.2

78.1

71.0

61,3

31.0 31.0

4500 4000

AI AI

71.6

61.9

62.0

50.00 50.00 50.00 50.00

31.6 32.9

3000

AI AI

63.9

83.2

82.6 83.2

77.4

71.0

61.3

51.0

70.3

60,7

41.9 42.6 42.6 42.6

85.8

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

TENNE SSEE MEMPHISA

73-77

06 HOURS (1.5.T.)

AUG

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

60.3 ٨I

M Al

٨I

AI

71

(FEET)

NO CEILING

V 2000

32.3

0.69

0.69

2 5/16

2 A

*

۸۱

۸۱

0.69 69.0

0.69 0.69

66.5

66.5 63.2 67.7

54.8 54.8 56.1

36.1

36

28.4

20.7

VI VI 00081 00081

36.1 36.1

28.4

20.7

14000

AI AI

0.69 0.69 10.3 79.4

77.4

76.8 81.3

1.0 71.6

64.5

45.0

36.8 36.8

27.7

81.9

0.69

\$9.4

49.7 45.8

> 40.7 41.9

30.3 31.0 31.0

800 7000

ALAI

2000

ALAI

27.7

AI AI

70.3

60.7

51.0

85.8 30.0 84.5 70.3 85.8 86.5 85.8

80.0

84.5

70.3

86.5 86.5 87.1 87.7 86.5 90.3 91.0 86.5 87.1 87.7 90.3 87.1 86.5 86.5 87.7 87. 91.0 87.1 6.06 92.3

86.5

85.2 85.8 88.4

84.5

87.7

90.3 92.3 91.0 95.9 6.26 92.3 65.6 92.9

91.0

9003

89.

89.0

6006 87.1

88.4 89.0

87.1

72.3

76.8

66.5

56.1

32.9

1800

AI AI

32.9

32.9

88

AI AI

56.1

45.8 45.8 40.5

32.9

2500

MIM

32.9

65.0

92.3

91.0

90.3

87.1

3.46

92.9 92.9

95.5 2.46 8.96

93.9

90.3 91.0

89.7

\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$

67,1

69.4

58.7

47.7

33.6

88

AI AI

34.2 34.2

32.9

70.3 70:3

\$9.4

59.4

48.4

60.7 61.3

49.7 50.3 50.3

34.8 34.8

88

AI AI

34.8

88

AI AI

34.8 34.8

88

AI AI

77.4

67.1

56.8

9100

90.3

95.5 96.8

94.2

90.96

96.8 98.7

98.7

96.8

2.46

93.6 8.46

81.3

95.5 1.96

94.2

92.9

92.3

96.1 1006

98.7

98.1

99.4100.

4.66

4.66

96.1

90.9

72,3

61. 5

34.8

80

AI AI

34.

83.2

155

TOTAL NUMBER OF OBSERVATIONS

98

16

SOWS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

TETPTIS, TENNESSEE

73-77

11

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

AUG MONTH 09

CEILING							VISI	IBILITY (ST.	VISIBILITY (STATUTE MILES)	(S)						
(FEET)	N 0	9 Al	\$ 1	7.1	W Al	12%	7 7	۲۷ کا ۱۷۶	¥1 Y	Ā	% Al	# Al	Z AI	2 5/16	N NI	0 11
NO CEILING		38.7		55.5	61.9	65.8	65.8	67.1	67.1	07.1	67.	67.	67.	67.	67.1	67.1
× 20000		43.2	6	62.6		•	9	2	3	•	75.	15.	15.	15.	75.5	75.5
N 18000		43.2	49.7	62.6		73.6	3		3	75.5	15.	5 75.5	75.	-	75.5	75.5
			6	62.6	69.7			3.	3		75.	75.	75.	75.	75.5	75.5
> 14000			6		6	100	;	5	3		75.	75.	75.	75.	75.5	75.5
> 12000		44.9	-	65.2		. 0					78.	78.	78.	78.	78.1	78.1
		47.1	3		3	6	0	-	-	-	81.	81.	81.	81.	81.3	81.3
0006		47.7	*	68.4		0		-	-	81.9	81.		81.	81.	81.9	81.9
l l		50.3	-	71.6	6	10		2	2	3	85.	85.	85.	85.	85.2	85.2
141			58.1	72.3	0		. 4	85.8	85.8	5	•	85.	•	0	85.8	85.8
1			58.1	72.3	0	3	3	3	5	3	85.	85.	85.	85.	85.8	85.8
9000			\$9.4		-	8		-		-	87.		87.	87.	87.1	87.1
1		51.6	0	73.6		85.2	3		2		87.	8	-	87.	87.1	87.1
141			59.4		::	3		-		-	00	87.1	87.		7.1	87.1
1		-	0		-	5	3	-			87.	8			7.	87.1
3000		2	60.7	74.8	2	.0		8			88	4 88.4	88.4		8.4	88.4
1		52.9	61.9			100	6	0		0	90.		6		.3	90.3
2000			62.6		85.8		90.3		91.0	=	91.	91.	0		1.6	91.6
1			2			89.7	0	:	91.0	•	91.	9016 9	6	-	91.6	9116
> 1500			63.9	78.1	87.1	-	91.6	2	2	2	92.	92.	•		92.9	92.9
1		54.8	5	79.4		2	2.		*		96		6	;	94.8	94.8
1000		54.8	2	79.4	00	-		2	3	9	96	0	0		6.1	96.1
		54.8	5		89.7	4	95.5			4976	97.		97.4	-	7.4	97.4
8		55.5	•	81.3		9			98.7	6	0		40.66	4.66	4.66	4.66
		55.3					98.1				100	100	100	1001	100.0	100.0
8		55.9		-	92.3	-	20		4.66	00001	100	0100.0	2	100	100	100.0
		55.5	66.99	81.9	92.3	-	30	4.66	4.66	0	100	-	100	100.0	1001	10001
400		55.5		81.9	92.3		98.1		4.66	0000	20	10000	2	100	100.0	10001
		55.9	;	81.9			2		4.66	00001	100	0	1001	100	100.0	100.0
300		55.3		81.9			98.1	4.66	* 66	1000	100	ò	100	100	100.0	100.0
		55.9	•	81.9	92.3	97.4	98.1	4.66	4.66	1000	100	100.0	100.0	100.0	100.0	100.0
0		55.3	66.5	81.9	92.3	97.4	98.1	4.66	4.66	1000	100	100.0	100.0	100.0	100.0	100.0

Q.

Q.

TOTAL NUMBER OF OBSERVATIONS

155

=

A25.

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

(FROM HOURLY OBSERVATIONS)

PERCENTAGE FREQUENCY OF OCCURRENCE

100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. ٨١ 11.6 84.5 61.9 × 11 0.69 61.3 61.9 71.6 73.6 84.5 98.7 6119 2 5/16 0.69 0.69 67. 2 ٨١ 84.5 ٨١ 50.3 84.5 98. ۸۱ 67.1 ٨١ VISIBILITY (STATUTE MILES) 0.69 98.7 98.7 17 17 4.84 4.80 95.5 84.5 98.7 7 7 91.0 0.69 98.7 98.7 7 91.6 68.4 71.6 0.69 97. 67. 84. 98. 69. 66 1 2% 97 69.0 94: 96.8 66 98. 96 N Al 65.8 64.5 93.6 0.09 71.0 94.8 67.1 0.69 93.6 94.8 59.4 64.5 66.3 91.6 91.6 87.7 666.5 80.7 4 60.0 64.3 80.0 55.6 39.4 84.5 84.5 58.1 60.0 60.7 .09 14 51.0 4 4 . 3 48.4 50.3 50.3 54.2 67.7 2.0 2.3 72.3 51.0 52.3 1.0 72.3 2.3 ۰ ۱۸ 2 NO CEILING (FEET) VI VI 00091 16000 Y 1 Y 12000 3000 9000 4500 400 400 2000 1200 88 1800 ALAI AI ALA ALA

TOTAL NUMBER OF OBSERVATIONS

100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.

100.0100.0100.0100.0100.0100.0

66

96.1

87.1

12.9

2.9

88

AI AI

88

AI AI

88

AI AI

80

AI AI

96.1

96.1

100.0100.0100.0100.0100.

100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.

100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100. 100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.

100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.

96.1

96.1

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

93839

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NOURS (LST) AUG

| CEILING | | | | | | | The second second second | The second secon | | The second second | | | | | | |
|------------|---|---------|------|------|------|------|--------------------------|--|-------|-------------------|---------|-------|-------|--------|---------|-----|
| (FEET) | 2 | ۰
۸۱ | N AI | 4 | N AI | 1 2% | 7 | ¥1 Y | ¥1 ×1 | Ā | %
AI | * | × AI | ≥ 5/16 | VI
Z | ٨١ |
| NO CEILING | | | : | 50.3 | | | | 51.0 | 51.0 | : | 51. | 51.0 | 51. | 51.0 | 51.0 | 51. |
| > 20000 | | | | 67.7 | 8 | 68.4 | 68.4 | 8 | 8 | | 68 | 8 | | • | 68.4 | 68. |
| | | 52.9 | | 67.7 | 8 | | | | 8. | 8 | 68. | | 68. | .89 | | • |
| ≥ 16000 | | 52.9 | 61.9 | | | 68.4 | | | 68.4 | 8 | • | 68.4 | | 68. | | 68. |
| 2 14000 | | | | 68.4 | | 6 | | 6 | 6 | 6 | 69. | | 69 | 69 | | |
| 12000 | | 54.8 | | | 0 | | | 0 | | 0 | 70. | | 70. | 70. | | 70. |
| | | | - | | | 0 | | 76.8 | 9 | | 76. | | 76. | 76. | 76.8 | 76. |
| 00
AI | | 0.09 | 0.69 | 75.5 | | | | | | • | 76. | | 70. | 76. | | 76. |
| | | | • | 77.4 | 8 | | | 8 | 8 | | 78. | | 78. | 78. | | 78. |
| 7000 | | 61.3 | | 77.4 | | | | | 8 | | 78. | | 78. | 78. | | |
| | | 61.3 | • | 77.4 | 8. | 00 | | | 8 | | 78. | | 78. | 78. | | 78. |
| 2000 | | 610 | 71.6 | 78.1 | 6 | | | | | | 79. | | 79. | 79. | | 79. |
| | | | • | | | | 79.4 | 6 | 6 | 0 | 79. | 79. | 19. | | 79.4 | 79. |
| 000 | | | 74.2 | 80.7 | : | | | | - | - | 81. | 81. | 81. | 81. | | 81. |
| | | | | | 5 | 2 | | 5 | 3 | | 85. | 85. | 85. | 85. | | 85. |
| 3000 | | 74.2 | : | 91.0 | | 93.6 | | | | 5 | 94. | 94. | . 56 | 94. | | 94. |
| | | 75.5 | 87.1 | | 9 | | | 8.96 | 96.0 | | 0 | 1 | | 96. | 96.8 | 96 |
| 7 2000 | | 75.5 | | | | 96.8 | | - | - | - | 97. | 97. | 97. | 97. | | 97. |
| | | 75.3 | : | | - | 7 | | 0 | * | | 98. | 98. | 98 | 98. | | 98. |
| 1500 | | 75.5 | : | | | 98.1 | 98.7 | 0 | 98.7 | 8 | 98 | 98. | 98. | 98. | | 98. |
| | | 75.5 | | | 8 | 00 | | 0 | 8 | - | 98 | 98. | 86 | 98. | | 98. |
| 90 | | 76.1 | | | 8 | | | 0 | 3.66 | | 0 | 4.66 | 99.4 | | 4.66 | 66 |
| | | 76.1 | 88.4 | 95.8 | 98.7 | 80 | 4.66 | 0 | 6 | 6 | 0 | | | | 40.66 | 66 |
| 00
Al | | 76.1 | 88.4 | | 6 | 0 | 100.0 | 100.0 | | 0 | 100.0 | 100.0 | 100 | 100. | 0 | 100 |
| | | 76.1 | 88.4 | | | | | 100.0 | | | | 100.0 | 100 | 2 | 100.0 | 100 |
| 8 | | 76.1 | 88.4 | 95.5 | | | | 100.0 | 0 | 0 | | 10000 | 100 | 100 | | 100 |
| | | 76.1 | 88.4 | | 4.66 | 4.66 | 0 | 100.0 | 100.0 | 10001 | | 100.0 | 100.0 | 100.0 | | 100 |
| 8 | | 76.1 | 38.4 | 95.5 | | | | 100.0 | 0.0 | 0 | 100.0 | 100.0 | 0 | 100.0 | 2 | 0 |
| 38 | | 76.1 | 88.4 | 95.5 | 4.66 | | 0.0 | 100.0 | 0.0 | | 100,0 | 0 | 100.0 | 100 | 100 | 0 |
| 700 | | 76.1 | 88.4 | 95.5 | 4.66 | | 100.0 | 100.0 | _ | 0 | 100.0 | 10000 | • | - | 100.0 | 0 |
| 8 | | 76.1 | 98.4 | 99.5 | 4.66 | 9.66 | 10000 | 100.0 | 0.0 | - | 10000 | 10000 | 100.0 | - | 100.0 | 100 |
| | | 76.1 | 36.4 | | 4.00 | 3 | 10000 | 000 | 100.0 | 0 | 100.0 | 100.0 | 100.0 | | | 100 |

TOTAL NUMBER OF OBSERVATIONS

155

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

AUG MONTH

| | | | | | | | VISIL | VISIBILITY (STA | (STATUTE MILES) | l (S) | | | | | | |
|---|---|-------|------|---------|------|---------|---------|-----------------|-----------------|-------|---------|---------|-------|---------|---------|-------|
| (FEET) | 2 | N AI | N N | VI
4 | N AI | > 2% | 1 N | ¥1 ×1 | ¥1 Y | Ā | %
Al | * | N X | ≥ 5/16 | NI 3 | 0 11 |
| NO CEILING | | 4 . | S. : | 61.3 | W. | 63.0 | 1 | | 63.9 | 63.0 | | 63.9 | | | 63.9 | 63.9 |
| 300 | | 57.4 | | 200 | | . 4 | | | • | . 4 | + 4 | | | | | 74.8 |
| 00091 | | 57.0 | 65.8 | 72.3 | | | | | 4 | 74.8 | * | | | | 74.8 | 74.8 |
| > 14000 | | 56.1 | 9 | 2 | 5 | 35 | 50 | 2 | 5 | 3 | 3 | | | | | 75.5 |
| > 12000 | | 61.3 | | . 9 | 6 | 0 | 6 | | 6 | 6 | 6 | | | | | 79.4 |
| V 10000 | | 67.1 | | 82.6 | | \$ | 5 | 5 | 2.58 | 30 | 2. | • | •. | • | 85.2 | 85.2 |
| | | • | 10. | 83.2 | 3 | 5 | 5 | 0 | 2 | 0 | 0 | • | • | • | • | 85.8 |
| V 1V | | | | 200 | | -0 | | -0 | 80.7 | - 6 | 87. | 80.1 | 89.7 | 89.7 | 89.7 | 89.7 |
| 1 | | 71.0 | 80.0 | 87.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | 90.3 |
| 2000 | | | 81.3 | 89.0 | - | - | - | - | 91.6 | - | - | | | | | 91.6 |
| 1 | | 72.3 | - | 89.7 | 23 | 2 | 2 | 2. | 2. | 2. | 5 | | | | 92.3 | 92.3 |
| × 4000 | | 72.9 | 3. | 90.3 | 2 | 2 | 5. | 2 | 2. | 5 | 5. | | | | | 92.9 |
| > 3500 | | 74.2 | 84.5 | 92.3 | . 4 | . 4 | | | 94.8 | | . 4 | | | | • | 94.8 |
| > 3000 | | | 87.1 | 94.8 | 1 | - | 1. | - | - | - | | | | | | 97.4 |
| > 2500 | | 76.8 | | 9 | 8 | · 83 | 00 | 8 | 1.86 | 8 | 8 | | | 98.7 | • | 98.7 |
| > 2000 | | 76.8 | 88.4 | 96.8 | | 6 | 6 | 6 | 4.66 | 6 | 6 | 4.66 | | • | 4.66 | 40.66 |
| 1800 | | 76.8 | 9.00 | • | | | 6 | | 4.66 | . 0 | | | 4.00 | | 4.66 | 99.4 |
| | | | 5000 | 000 | | - | 6 | | * | | | 100 | 4.00 | • | 4000 | 77.4 |
| VI VI
20
20
20
20
20
20
20
20
20
20
20
20
20 | | 70.00 | 0 00 | | 4.66 | 99 | 4 4 | 99.4 | 4 4 66 | 4.66 | 99.4 | 4.66 | 4.66 | 4.66 | 4.66 | 99.4 |
| | | | | 9 | | 0 | | | 6 | 6 | | 4.66 | | | 4.66 | 4.66 |
| 008 | | 76.8 | 88.4 | 9 | 4.6 | 0 | 0.0 | 00 | | 5 | | | | | | 00.00 |
| 70 | | 76.8 | | 9 | 5.6 | 100.01 | | 00 | •, | • | 100.0 | 100.0 | 100.0 | | • | 0000 |
| | | 8.01 | 300 | 200 | 4. | 00 | 00 | 0 | | 0 | | 0.0 | 00 | 0 | | 0000 |
| 88 | | 40.0 | D a | | e 4 | 100 | 0000 | 000 | 000 | | 000 | 000 | | 100 | 000 | 0000 |
| | | 76.8 | | | 4 | 00 | 200 | 000 | 00 | | 0 | 0000 | 100.0 | 00 | 0000 | 0000 |
| 30 | | 76.8 | | | 4.66 | 100.001 | 100.001 | 00.00 | 0 | 100.0 | 100.0 | 100.001 | | 100.001 | 100.001 | |
| 80 | | 76.8 | 88.4 | 96.8 | 4.66 | 100.001 | 10000 | 100.001 | 00.00 | 00000 | 100.0 | 1000.0 | 100.0 | 100.0 | 100.00 | 0.001 |
| ١ | | 2 | | | | 5000 | 1 | | | | 2000 | 2 | | 2000 | 2 | |

0

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NOURS (LST.)

AUG

| CEILING | | | | | | | VISIE | IILITY (STA | VISIBILITY (STATUTE MILES) | G | | | | | | |
|---------|---|-------|-----------|-------|-------|-------|-------|-------------|----------------------------|--------|---------|--------|-------|---------|--------|-------|
| (FEET) | 5 | 9 | \$5
A1 | 4 | e Al | ≥ 2% | 71 | VI %1 | ¥1 VI | - | %
AI | * | Z AI | ≥ 5/16 | M Al | ٥ |
| | | 52.3 | 66.3 | 73.6 | 76.1 | 76.1 | | 76.1 | 76.1 | 1001 | 0 | 1601 | | 76.1 | 76.1 | 76.1 |
| ≥ 20000 | | 60.09 | 74.8 | 84.8 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | - | 87.1 | | 87.1 | 87.1 | 87.1 |
| | | 60.0 | 74.8 | 84.5 | 87.1 | 87.1 | 87.1 | 87.1 | | 87.1 | 7 | 87.1 | | 87.1 | 87.1 | 87.1 |
| 16000 | | 60.09 | 74.8 | 84.8 | 87.1 | | 87.1 | 87.1 | | 87.1 | | 87.1 | | 87.1 | 87.1 | 87.1 |
| | | 61.3 | 76.1 | 85.8 | | 88.4 | 8 | | 88.4 | 4.89 | | | 88.4 | 88.4 | 88.4 | 88.4 |
| > 12000 | | 62.6 | 77.4 | 87.1 | 6 | 89.7 | 89.7 | 89.7 | 89.7 | | 6 | | | | 89.7 | |
| | | 64.5 | 80.0 | | 2 | 2 | 2. | 2 | 2 | 2. | 2 | 2 | 2. | | 2. | |
| 000 | | 65.2 | 80.7 | 6.06 | 2 | | | 92.9 | 2 | | 92.9 | | 2 | 92.9 | 92.9 | 92.9 |
| | | 65.0 | 81.3 | - | | 100 | | | 10 | | 3 | 3 | 3 | | 3 | |
| 700 | | 65.8 | 81.3 | 91.0 | | | | 93.6 | 3 | 6 | 3 | m | 3 | | 93.6 | 93.6 |
| | | 66.9 | 81.0 | | * | | * | | * | 2456 | * | | * | | * | |
| 2000 | | 66.9 | 81.9 | 92.3 | 8.76 | | . 3 | 94.8 | | * | 94.8 | * | * | | 8.46 | 94.8 |
| | | 66.9 | 81.9 | | 3 | | 3 | | * | 8 . 46 | | * | | | * | |
| 1 4 000 | | 66.8 | 81.9 | 92.3 | 8.46 | 94.8 | | 8.46 | | | | 94.8 | | | 8.46 | 8.46 |
| | | 67.1 | 82.6 | | 5 | | 5 | 5 | 3 | • | 5 | 5 | 5 | | 3. | |
| 3000 | | 67.7 | 83.2 | 93.6 | ; | | 9 | • | | • | . 0 | .9 | .0 | .9 | ; | 96.1 |
| | | 68.4 | 83.9 | 8.46 | 8.96 | 96.8 | 96.8 | | | 9 | 96.8 | 8.96 | 8.96 | 96.8 | | 96.8 |
| 7 2000 | | 68.4 | 83.9 | 94.2 | . 0 | 96.8 | | | | | | .0 | ; | | ; | |
| | | 68.4 | 83.9 | 8.46 | | 97.4 | - | 4.16 | - | • | | 97.4 | - | • | 4.16 | 97.4 |
| 1500 | | 0.69 | 4 . 20 | | 20 | 98.1 | | | | 8 | 3 | | 8 | 8 | 96.1 | |
| | | 69.7 | 85.2 | 96.1 | 1.86 | 7.86 | 80 | 98.7 | | 78.7 | 7.86 | 98.7 | 8 | | 98.7 | 98.7 |
| 000 | | 1.69 | 85.2 | | 8 | 98.7 | | | 8 | | 98.7 | | | 8 | 98.7 | |
| | | 69.7 | 85.2 | 1.96 | 8 | 7.86 | | | 8 | 28.7 | 8 | 98.7 | 8 | | 98.7 | 98.7 |
| 8 | | 69.7 | 85.8 | 8.96 | | 4.66 | 4.66 | 4.66 | 6 | 6 | 4.66 | | 4.66 | 6 | 4.66 | 4.66 |
| | | 69.7 | 85.8 | | 6 | 4.66 | | 4.66 | 6 | 3066 | 4.66 | 4.66 | 4.66 | | 4.66 | 40.66 |
| 8 | | 69.7 | 85.8 | 8.96 | 4.66 | 7.66 | | 6 | | | 4.66 | 4.66 | 4.66 | | 4.66 | |
| | | 69.7 | 85.8 | 96.8 | 4.66 | 4.66 | 6 | 7.66 | 4.66 | _ | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 |
| 84 | | 70.3 | 86.5 | 97.41 | 00.01 | 00.00 | | 00.00 | 0 | | | 100.00 | | 0 | | |
| 300 | | 70.3 | 86.5 | 97.41 | 10.00 | | | 00.01 | 00.01 | | | | 0.00 | 100.001 | 100001 | |
| | | 70.3 | 86.5 | 97.41 | 00.01 | 00.01 | 00.00 | 00.01 | 00.01 | _ | 00.00 | 00.00 | 00.00 | 100.001 | 0.00 | 0.00 |
| 80 | | 70.0 | 900 | 97.4 | 00.00 | 00.00 | 00.00 | 000 | 800 | 0000 | 000 | 000 | 000 | 100.00 | 000 | 0000 |
| 1 | | 200 | - | 7 | 1000 | 000 | 0000 | 200 | 5 | | 5 | | | 1000 | 2 | 2 |

0

0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93839

MEMPHIS, TENNESSEE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOURS (LST.) AUG

100

| S. S | | | | | | | VISIA | VISIBILITY (STATUTE MILES) | TUTE MILE | (S) | | | | | | |
|--|---------|------|------|-------|------|------|-------|----------------------------|-----------|------|---------|-------|---------|--------|------|-------|
| (FEET) | VI
5 | ۸I | S) | VI VI | e Al | > 2% | 2 41 | VI %1 | YI
7. | - | %
Al | * | %
Al | ≥ 5/16 | N N | 0 11 |
| NO CEILING | | 41.1 | 50. | | 61.4 | 62.7 | 50 | 64.5 | 64.0 | 9.40 | | 904.8 | 64.8 | 64.8 | 64.8 | 64.8 |
| 2007 | | _ | 0 0 | : | - | | \$ | * | • | 7 | 2 | | • | 0 4 | | 78. |
| VI VI
0008
0009
0009 | | 47.4 | | 200 | 200 | | 7.00 | 74.00 | 4 | 74.8 | 200 | 75.1 | 75.1 | 1 | 75.1 | 75.1 |
| > 14000 | | 48.0 | 8 | - | | 6 | 3 | 2 | | 2 | | | 75.4 | 5 | | 75.4 |
| 171 | | 4.64 | 6 | 0 | | 4 | | | | | | | 77.1 | | | |
| | | 53.9 | 64. | 4 | | 0 | - | 2 | 2. | 2. | | | | 2 | | 2. |
| 0006 X | | - | 65. | . 4 | 8 | 0 | - | 2. | 2. | 50 | 2. | | | 2. | 2. | |
| | | 56.0 | 67. | . 9 | 0 | 2. | 4 | | . 4 | 99 | | • | | 5 | | 85.2 |
| 7000 | | | 67. | 2 | - | 3 | * | 3 | 3 | 3 | ; | • | | ; | • | 86.1 |
| 1 | | - | 0 | | | 503 | | | 85.9 | | • | | 86.2 | • | | 86.2 |
| 2000 | | | 9 | 8 | 2 | | 3 | • | | 9 | ; | | | 9 | • | 86.9 |
| | | 57.2 | S | | 2 | * | 5 | | 9 | • | 0 | | | | | 87.0 |
| 4000 | | - | 69 | | - | 3 | | - | | - | - | | | - | - | 87.9 |
| | | - | 70. | | * | .0 | : | 8 | 8 | | 20 | | | • | | 89.0 |
| 300 | | 61.5 | 1 | | 8 | .0 | | 2 | 2 | 5 | | | | 2. | 5. | 92.8 |
| | | 62.5 | | 5 | 0 | ~ | | * | | * | * | | | ; | | 94.6 |
| 7 2000 | | 63.2 | | | - | 500 | 3 | 2 | | 5 | 3 | | 95.9 | 3 | 3 | 95.9 |
| | | 63.2 | • | • | - | • | 3 | 3 | | 2 | .0 | • | | 9 | | 96.1 |
| 1500 | | 63.6 | 76. | | 2 | * | 2 | 9 | | | | | | | • | 96.7 |
| | | 63.7 | | 7. | 2. | * | 5 | | 1.96 | 9 | | | | - | - | 97.1 |
| 100 | | 64.0 | | | 3 | 5 | | - | | 1. | - | | | 1. | 97.9 | 97.9 |
| | | 64.1 | | | | 5 | 9 | 7. | 7. | 8 | | • | | 8 | 8 | 98.3 |
| 00
AI | | 64.4 | | | | 9 | - | 8 | | | 6 | | | 6 | ÷ | 99.1 |
| | | 64.4 | | | 4 | 9 | - | 8 | • | 6 | | | | 6 | • | 666 |
| 8 | | 64.4 | 78.2 | | | 9 | . 65 | 6 | 6 | 0 | 6 | | | 6 | 6 | 99.5 |
| | | 04.4 | 78.3 | | | . 9 | 80 | 6 | 3.66 | 6 | 5 | 4006 | | 6 | | 99.7 |
| N 400 | | 64.6 | 78.5 | | 94.7 | | . 8 | | 6 | 6 | | | 66.66 | 6 | 6.66 | 0000 |
| 1.00 | | 64.6 | 78.5 | | 94.7 | 97.1 | 8 | | 4.66 | 6 | 6 | | 6.66 | 6 | • | 10000 |
| N 200 | | 64.6 | - | | 94.7 | | | | | 6 | 6 | 6.66 | 66.66 | 6 | | 0000 |
| | | 64.6 | 78.5 | | 94.7 | 97.1 | 98.4 | 66.3 | 4.66 | 9666 | | 66.66 | 6.66 | | 6.66 | 10000 |
| ٨١ | | 64.6 | - | | 94.7 | 97.1 | | 6 | | 6 | 6 | 6.66 | 6.66 | | 6.66 | 10000 |

0

0

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0

0

0

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

SEP

00 HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CELLING | | | | | | | VISIA | BILITY (STA | VISIBILITY (STATUTE MILES) | 8 | | | | | | |
|-----------|----|---------|------|------|------|------|-------|-------------|----------------------------|------|---------|------|-------|--------|-------|-------|
| (FEET) | 71 | ۰
۸۱ | S AI | 4 | e VI | Y 2% | N N | 71 72 | YI %1 | Ā | %
Al | * 1 | Z. | ≥ 5/16 | × 11 | ٨١ |
| O CEILING | | 44.7 | 49.3 | 50.7 | 2 | 60 | 18 | 55.3 | 5 | 56.0 | 56.0 | 56.0 | 56.7 | 56.7 | 56.7 | 56.7 |
| ≥ 20000 | | 50.0 | | 58.0 | | 61.3 | . 3 | | | 04.4 | 64.7 | 64.7 | | 65.3 | 65.3 | 65.3 |
| V 18000 | | 50.0 | | 58.0 | 0 | - | 3 | | 4 | | | | 5 | | 65.3 | 65.3 |
| 0009L X | | 50.0 | | 58.0 | 0 | 61.3 | . 3 | 0.49 | ; | 64.7 | | 64.7 | 2 | | 65.3 | 65.3 |
| > 14000 | | 50.0 | | 58.0 | | - | 3 | | 4 | 64.7 | \$ | 64.7 | 5 | | 5 | 65.3 |
| 12000 | | 50.7 | 58.0 | 59.3 | 61.3 | 62.7 | 68.3 | 65.3 | 65.3 | 0.99 | 66.0 | 0.99 | 66.7 | 66.7 | 66.7 | 66.7 |
| V 10000 | | 57.3 | 1 | 68.0 | 0 | - | * | | 4 | | * | | 2 | | • | |
| 000 | | 58.0 | | 68.7 | | 72.0 | . 3 | | | 75.3 | 75.3 | 75.3 | | • | 76.0 | 76.0 |
| 0008 ~ | | 62.7 | | 74.7 | .0 | | 0 | 0 | 0 | | - | - | 2. | 2 | 2. | |
| 700 | | 63.3 | | 75.3 | | | 3 | | 2 | 2 | 2 | 2 | | 83.3 | 83.3 | 83.3 |
| 0009 4 | | 64.0 | | 76.7 | 8 | 0 | | 3 | | | | | * | 4 | * | |
| 2000 | | 64.7 | | 78.0 | 0 | | | | 3 | | 2 | 3 | .0 | | 86.7 | 86.7 |
| × 4500 | | 64.7 | | 78.0 | 0 | 2 | 4 | * | * | 3 | 5 | 3 | 0 | 9 | 86.7 | |
| 141 | | 64.7 | | 78.7 | | 83 | | 86.0 | | | 86.7 | • | | | 8 | 88.0 |
| 1 | | 64.7 | | 78.7 | - | | 9 | | 9 | 9 | 9 | 9 | 00 | 8 | 8 | 88.0 |
| 3000 | | 65.3 | 76.7 | 80.0 | | 86.0 | | 88.7 | | | 6 | | .0 | 0 | 90.7 | 90.7 |
| 1 | | 65.3 | 76.7 | 80.0 | 3 | .0 | | | 6 | 0.06 | 90.0 | 0.06 | - | | | 91.3 |
| 7000 | | 66.0 | 78.0 | | 3 | | 2 | 2 | 2 | 2 | | 2 | | * | | |
| 1 | | 66.0 | 78.0 | 82.0 | | 88.7 | 2. | 92.0 | 2. | | 92.7 | | * | 4 | 0.46 | 0.46 |
| 1500 | | 66.7 | 78.7 | | 3 | | 2. | 2 | | | | 3 | | | 94.7 | 7.46 |
| | | 66.7 | 78.7 | | 9 | 89.3 | 2 | 2. | 2. | 9 | 3. | 3 | | 4 | 4.7 | 94.7 |
| 1000 | | 66.7 | 78.7 | 82.7 | | | | | 3 | | 2 | | .; | • | 1.96 | 96.7 |
| | | 67.3 | 79.3 | | .0 | 90.7 | 3 | 0.76 | 3 | 2 | 9 | 9 | - | | 97.3 | |
| 8 | | 67.3 | 79.3 | 84.0 | 87.3 | | 3 | | ; | | 7.96 | • | | 98.0 | 98.0 | 0.86 |
| | | 68.0 | 80.7 | | 8 | 92.7 | | | | | 00 | 0.86 | 6 | 99.3 | 99.3 | 99.3 |
| 8 | | 68.7 | 81.3 | | | | | 46.7 | | | 98.7 | 98.7 | | | 0.001 | |
| | | 68.7 | 81.3 | | 89.3 | 93.3 | | 1.96 | | | 98.7 | 98.7 | 0000 | 0 | 0000 | 100.0 |
| 84 | | 68.7 | 81.3 | 86.0 | 6 | | | | | | 98.7 | 7.86 | | 0.0 | 100.0 | |
| | | 68.7 | 81.3 | | 89.3 | 93.3 | | 496.7 | | | 98.7 | 486 | 0000 | 10000 | 0000 | 100.0 |
| 30 | | 68.7 | 81.3 | | | 93.3 | 96.7 | | | 8 | 98.7 | 98.7 | 0000 | 100.0 | 0.001 | 10000 |
| | | 68.7 | 81.3 | 86.0 | 89.3 | 63.3 | | 1.96 | 1.96 | 0.86 | 98.7 | 186 | 0.001 | 10000 | 0.001 | 100.0 |
| 0 | | 68.7 | 81.3 | | 89.3 | 93.3 | 1.96 | 96.7 | | | 98.7 | 48.7 | 100.0 | 100.00 | 0000 | 0 |

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

SEP HOURS (1.5.7.)

| CEILING | | | | | | | VISI | HLITY (STA | VISIBILITY (STATUTE MILES) | S | | | | | | |
|------------|---|------|----------|------------|----------|------|------|------------|----------------------------|------|---------|------|---------|--------|---------|-------|
| (FEET) | 8 | ٨١ | S | A I | es
Al | 1 2% | AI | 71 % | 71 74 | Ā | %
Al | * | %
AI | ≥ 5/16 | VI
Z | ٨١ |
| NO CEILING | | 9 | 43.3 | 48.7 | \$2.0 | 52.7 | 53.3 | 34.7 | | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 |
| 7 20000 | | 40.0 | 4 | 52.7 | 6 | 0 | | | 00 | | • | | | • | 6 | 59.3 |
| ≥ 18000 | | • | F . 4 | 52.7 | 0 | • | | | | - | | | | | - | 54.3 |
| ≥ 16000 | | 40.0 | 47.3 | 52.7 | | | | | | • | | | | | 6 | 59.3 |
| > 14000 | | 40.0 | 47.3 | 52.7 | | . 9 | 57.3 | | 58.7 | 50.3 | | | | | 6 | 59.3 |
| ≥ 12000 | | 42.0 | 49.3 | 54.4 | | | | 0 | 0 | - | | | | | • | 61.3 |
| | | 48.0 | 57.3 | 62.7 | | | 2 | | | | | | | | | 70.0 |
| 000 | | 48.0 | 57.3 | 62.7 | | 67.3 | | | | | | | | | | 70.0 |
| 1 | | 53.3 | 62.7 | | 2. | | 74.0 | | 75.3 | 16.0 | | | | | 76.0 | |
| 7000 | | | 0.49 | | 4 | * | | | | | | | | | | 77.3 |
| 1 | | 54.7 | 0.40 | 0 | * | * | * | • | 9 | | | | | | | 78.0 |
| 2000 | | 54.7 | 0.49 | 0 | * | 3 | | - | : | | | | | | 8 | 78.7 |
| 1 | | 54.7 | 64.0 | C | 4 | 5 | 9 | - | | | | | | | 78.7 | 78.7 |
| 4000 | | 54.7 | 0.49 | 70.7 | 3 | 76.0 | | | 78.0 | | | | | | | 79.3 |
| | | 55.3 | 64.7 | 71.3 | 0 | 0 | - | 8 | | 80.0 | | | | | 80.0 | 80.0 |
| 3000 | | | 200 | - | | | 0 | : | - | | 5 | : | | | 3 | 82.7 |
| > 2500 | | | 67.3 | 74.7 | 0 | 81.3 | | 0.48 | | 6263 | | | | 85.3 | 85.3 | 85.3 |
| N 2000 | | 6 | | | 3 | * | | | | | 6 | | | | | 89.3 |
| V 1800 | | 59.3 | | | 4 | 85.3 | 0 | 8 | 8 | • | 0 | | | | | 0.06 |
| ≥ 1500 | | | | 6 | 5 | | 88.0 | | | - | - | : | | | | 91.3 |
| | | .0 | | | 0 | | 6 | -: | 1: | 92.7 | 92.7 | 92.7 | 2 | | | 92.7 |
| ≥ 1000 | | 62.7 | | 2 | 8 | 0 | : | 3. | 3 | 44.4 | 1.46 | 1.96 | 2 | • | | 99.3 |
| | | 62.7 | 73.3 | 82.0 | 88.0 | | | 63.3 | | | | | | | 62.3 | 95.3 |
| N 800 | | 62.7 | | | 30 | | 2. | | * | 5 | | 95.3 | | 0.96 | | 96.0 |
| | | 62.7 | | | 88.7 | | 2 | | * | 0.96 | 0.96 | 9 | | | | 1.96 |
| 8 | | 62.7 | 74.0 | | 0 | 2 | 19 | 3 | | 9 | | 1.96 | - | | | 97.3 |
| | | 62.7 | 74.0 | | 0 | | 19 | | | 96.7 | | 1.96 | | | 97.3 | 97.3 |
| 400 | | 62.7 | 74.0 | 82.7 | 89.3 | 2 | | | | 1006 | | ; | - | 97.3 | 97.3 | 97.3 |
| | | 62.7 | 74.0 | 82.7 | 0 | | 93.3 | 5 | | | | • | 8 | 98.7 | 48.7 | |
| 2 200 | | 62.7 | 74.0 | 82.7 | 0 | | | 5 | 95.3 | | | | 8 | 98.7 | 99.3 | 99.3 |
| VI
05 | | 62.7 | 74.0 | | 89.3 | 92.0 | 63.3 | 69.3 | 65.3 | 98.0 | 0.86 | 0.86 | 8 | 98.7 | 66.3 | |
| | | 62.7 | 74.0 | 82.7 | | | | 95.3 | 95.3 | | • | • | 98.7 | 98.1 | 99.3 | 00.00 |

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

1205-0010

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NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

93839 STATION

73-77

06 Mount (1 5 T.) SEP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| | ٨١ | 43.3 | 50.7 | 50.7 | 50.7 | 51.3 | 24.0 | 64.7 | 65.3 | 70.0 | 71.3 | 72.0 | 74.0 | 74.0 | 76.7 | 76.7 | 79.3 | 82.0 | 85.3 | 86.0 | 86.7 | 88.7 | 91.3 | 92.7 | 0.96 | 0.96 | 0.96 | 97.3 | 98.0 | 99.3 | 00.00 | | 0000 |
|----------------------------|----------|------------|---------|---------|---------|---------|---------|------|--------|--------|--------|------|--------|------|------|--------|--------|--------|------|------|--------|------|--------|------|------|------|------|-------|-------|------|-------|-------|-------|
| | AI | 3 | 0 | | | | | | | 70.0 | | | | | | | | | | | | 88.7 | 91.3 | | | 0.96 | | 61.3 | 98.0 | 99.3 | 99.31 | 99.31 | 99.31 |
| | ≥ 5/16 | 45.7 | | | | 50.7 | | | | | | | | | | 76.0 | | 81.3 | | | | 88.0 | | | | 95.3 | 95.3 | 1.96 | 97.3 | 48.4 | 98.7 | 1.86 | 98.7 |
| | Z
Al | | | | | | | 3 | * | 68.7 | 0 | 0 | 5 | 2 | 3 | 5 | | | * | 3 | 5 | | 0 | - | | 1.46 | | | | 8 | 8 | 98.0 | |
| | * | 2. | | 48.7 | | 6.64 | | | | 089 | | | | | | | | | | | * | 9 | 8 | 0 | 9 | • | 9 | | 3 | | è | 96.0 | ; |
| | *
AI | | 8 | | | 6.64 | 2 | | 3 | 68.0 | | | | | | | | | 5 | | * | 0 | 8 | 0 | | 3 | 3 | * | 2 | | • | 0.96 | ; |
| 9 | Ā | 0.04 | | | 9 | 6.14 | 0 | 0 | 61.3 | 0.99 | | | 0 | | 5 | 72.0 | | | 0 | 400 | - | 82.7 | | 46.7 | 0 | 0.06 | 0 | • | 0.26 | 45.7 | 32.7 | 1504 | 1.76 |
| VISIBILITY (STATUTE MILES) | ¥1
%1 | 35.3 | 41.3 | 61.3 | 41.3 | | . • | 3 | 9 | 60.7 | - | 2. | 0.49 | 3 | 0.99 | 9 | 68.7 | 70.7 | 3 | 3 | | | 79.3 | | 84.0 | | | | | 85.3 | | 85.3 | |
| ILITY (STA | ۲۱
۲۷ | 35.3 | 41.3 | | 41.3 | | | | | | 1: | 2. | | | | • | | | | | | | 79.3 | | * | * | | • | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 |
| VISIB | 7
Al | 2. | 8 | | | 39.3 | 2 | 2 | 3 | | | 6 | - | - | 1 | 1 | | 8 | | - | 2 | 3. | | .9 | | 0 | • | 0 | | 0 | 80.7 | 80.7 | 80.7 |
| | 2 2% | 6 | 34.7 | * | . 4 | 35.3 | 00 | | . 9 | 50.7 | - | 2. | 4 | * | .0 | | | 6 | | | 2 | . 4 | | | 0 | 0 | 0 | | 0 | 70.0 | - | 70.0 | |
| | es
Al | 8 | 3. | 3 | 3 | 34.0 | | 4 | | 48.0 | | .6 | - | - | 3 | | | . 9 | 1 | 8. | 8 | 0.09 | - | 2. | 4 | 4. | | 0.49 | * | 64.0 | * | 94.0 | |
| | 4 | 5 | 0 | | | 0 | | | | 42.7 | | | | | 47.3 | £.44 | 48.7 | 0 | 50.7 | - | 2. | 53.3 | 4 | | | 56.7 | | | 56.7 | 56.7 | | 20.4 | |
| | ۶۰
۸۱ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 40.0 | | 40.0 | 40.0 |
| | ۵
۸۱ | 15.3 | 16.7 | 16.7 | 16.7 | 16.7 | 18.0 | 21.3 | 21.3 | 22.7 | 23.3 | 24.0 | | 24.7 | 26.7 | 26.7 | 28.0 | | 28.0 | | 28.7 | 30.0 | | 30.7 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 |
| | 2 41 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CEILING | (FEET) | NO CEILING | ≥ 20000 | 7 18000 | ≥ 16000 | ≥ 14000 | 2 12000 | | > 0000 | > 8000 | > 7000 | | > 2000 | | 4000 | > 3500 | > 3000 | 2 2500 | 2000 | | > 1500 | | 2 1000 | 006 | 008 | | 009 | 2 500 | 7 400 | 300 | | 8 | |

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

POURS (LST.) SEP

| | | | | | | | VISI | VISIBILITY (STATUTE MILES) | TUTE MILE | S | | | | | | |
|------------|---|------|------|------|-------|------|------|----------------------------|-----------|-----|------|------|------|------|------|------|
| (FEET) | 2 | * | ^ | 1 | | 76.4 | | × × | 7.1 | - | 1 | | 2 | 1 | | |
| SO CELLING | | 32.0 | 36. | | . 6 | | : 10 | - 10 | | | | | . 1 | 6 | | 4.4 |
| ≥ 20000 | | 36.0 | 40.7 | | 47.13 | 47.3 | 4 | 48.7 | 18 | 100 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49 |
| | | 36.0 | 40. | 44. | - | | - | 8 | 8 | | 6 | 6 | | | 6 | 49. |
| V 16000 | | 36.0 | 40. | 4 | | - | : | | 8 | 8 | 6 | 6 | | 6 | 6 | 49. |
| | | 36.0 | 41. | 44. | | 2 | 8 | | | | 0 | | | • | 0 | 50.0 |
| ≥ 12000 | | 36.0 | 41. | 4 | 8 | | | | 6 | 6 | 0 | ò | | | | 50.0 |
| V 10000 | | 38. | 45. | 4 | | 2 | 2. | | * | | * | | | * | * | 34. |
| | | 39.3 | 40. | 2 | 3. | * | | 2. | 3 | 2 | 9 | 9 | | 9 | | |
| | | 46.0 | 56. | 0 | 3 | 4 | 4 | | 6 | | 9 | | | 9 | • | |
| 7000 | | 46.0 | 56. | .09 | | * | 4 | | ; | 9 | | • | | 0 | ; | 99 |
| | | 47.3 | 57. | 61.3 | 5 | | | 67.3 | 67.3 | | 8 | 8 | | | 8 | |
| 2000 | | 47.3 | 57 | 61. | 3 | 9 | | - | - | - | 8 | | | | | |
| | | 48.0 | 58. | 62. | 0 | 0 | .0 | 8 | 8 | 8 | 8 | 8 | | 8 | | 68. |
| 1 4000 | | 50.7 | .09 | 65. | 6 | 0 | | 1: | - | - | 2. | 5 | | 2. | 2. | |
| > 3500 | | 51.3 | 62. | .99 | | 1. | 1. | 2. | 2. | 2 . | 3. | • | | 3. | 3. | 73. |
| 3000 | | 52.0 | 62. | 68 | 2 | - | 3 | | + | * | 2 | 2 | | 3 | 2 | |
| | | 53.3 | 64. | 69 | 3. | 3 | 0 | | - | - | 8 | | | 8 | 8 | |
| > 2000 | | 55.3 | 66. | 71. | 9 | 8 | | 0 | 0 | 0 | 0 | 0 | | ċ | 0 | |
| | | 55.3 | 66. | 71. | 0 | 8 | 100 | 0 | 0 | 0 | 0 | ò | | 0 | 0 | |
| 1500 | | 56.7 | 67. | 72. | - | | 0 | : | : | | 3 | 2. | | 3 | 5 | |
| | | 60.0 | 70. | 76. | 0 | 2. | | | | 3 | 3 | 3 | | 3. | 2 | 85.3 |
| 1000 | | 62.0 | 72. | 78. | 3 | 5 | . 9 | 8 | * | 8 | 8 | | | | | |
| | | 62.7 | | 78. | . 4 | 9 | 8 | 0 | 0 | 0 | 0 | ċ | | 0 | 0 | |
| 8
AI | | 62.7 | | 79. | 3 | | | 2 | 3 | 2 | m | | | 3 | ë | |
| | | 62.7 | | - | | 8 | 0 | | 3. | | ; | | | * | | 95. |
| 9 | | 63.3 | | 80. | | 8 | | | | | | • | | | | |
| | | 63.3 | 74. | 80. | 9 | 00 | - | | * | 5 | 9 | • | | | ò | |
| 1 400 | | 63.3 | 74. | 8 | | | 2 | | | - | 8 | • | | 98.7 | 8 | |
| | | 63.3 | 74.7 | | 87.3 | | 2 | 96.7 | 9 | | 8 | 8 | | | 6 | |
| 7 200 | | 63.3 | 74.7 | | 87.3 | | 2 | | • | 2 | | | | | 6 | |
| | | 63.3 | 74.7 | | 87.3 | 89.3 | 92.7 | 1.96 | | - | | 186 | 66.3 | 66.3 | 99.3 | 00. |
| o
A1 | | 63.3 | 74.7 | | 87.3 | | 92.7 | 96.7 | 1.96 | - | | 98.7 | | 99.3 | 6 | |

TOTAL NUMBER OF OBSERVATIONS

150

200

DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

73-77

12 HOURS (LST.) SEP

20

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | | VISIA | VISIBILITY (STATUTE MILES) | TUTE MILE | S | | | | | | |
|------------|---|---------|----------|------|----------|------|-------|----------------------------|-----------|---------|---------|---------|---------|--------|---------|------|
| (FEET) | 5 | 9
AI | so
Al | 4 | es
Al | ≥ 2% | 2 4 | ۲۱ × | ¥1 ¥1 | -
- | %
AI | * | %
Al | 2 5/16 | %
AI | 0 11 |
| NO CEILING | | 34.0 | | 36.7 | 7 | 80 | 00 | | | 38.0 | 8 | | 38.0 | 38. | 38. | 38.0 |
| > 20000 | | | | 44.7 | 45.3 | 46.0 | 46.0 | • | .0 | | | • | | • | 4 | 46.0 |
| N 18000 | | O | 42.7 | 44.1 | | 46.0 | | 46.0 | 46.0 | 0495 | 46.0 | 46.0 | 46.0 | 46. | 0.94 0 | 46.0 |
| N 16000 | - | | | 45.3 | 46.0 | 46.7 | | | 0 | • | 0 | • | | • | 46. | 46.7 |
| 2 14000 | | 40.7 | | 46.0 | 46.7 | 47.3 | 7. | • | | E + 1 + | | | 47.3 | 47. | 1 | 47.3 |
| ≥ 12000 | | 42.7 | | 48.0 | | 49.3 | 49.3 | 49.3 | 6 | • | | • | 49.3 | • | 49. | 49.3 |
| | | 46. | 49.3 | | | | 2 | • | 2 | _ | | 2. | | 52. | | 52.7 |
| 0006 | - | 46 | 50.0 | 52.0 | 52.7 | 53.3 | - | 53.3 | | 53,3 | | • | | • | 53. | 53.3 |
| | | _ | | | 56.7 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | | ~ | 57.3 |
| 7000 | - | | 52.7 | 56.7 | 57.3 | 56.0 | | 58.0 | | | | 8 | | 8 | 20 | |
| | | 50. | 54.0 | 58.0 | | | 6 | | | 59.3 | 59.3 | 6 | | 6 | 2 | 59.3 |
| 2000 | | 50. | 54.0 | 58.7 | 0.09 | 60.7 | | | | | | | | • | | 60.7 |
| | | 50. | 54.0 | 58.7 | 0 | | 0 | 60.7 | 0 | 600 | 60.7 | ò | | • | 9 | 60.7 |
| 1 4000 | | 50. | 55.3 | 0.09 | 61.3 | 62.0 | 62.0 | | 62.0 | 2 | 62.0 | | 62.0 | 2 | 0 | 62.0 |
| | | | 58.0 | | | | * | | * | 6407 | | * | | 64. | 9 | |
| 3000 | - | | 65.3 | 71.3 | 3 | 74.0 | | | * | 74.7 | | | | * | - | |
| 1 | | | 67.3 | | 77.3 | | 79.3 | 79.3 | 79.3 | | 79.3 | 6 | | 6 | 6 | 79.3 |
| 7 2000 | - | | | 81.3 | | 84.7 | | • | | | | • | | .9 | 80 | |
| 100 | | 68.0 | 74.0 | 81.3 | 84.0 | 84.7 | | | 9 | | 86.0 | | 86.0 | 86. | 86. | 86.0 |
| > 1500 | | | - | | | 86.7 | . 8 | | 88.0 | * | | 8 | | | 88.0 | |
| | | 72.0 | | 85.3 | 88.0 | 89.3 | 90.7 | 40.7 | 90.7 | 200 | 90.7 | 1006 | 90.7 | 90 | 7 90.7 | 90.7 |
| > 1000 | | | | | | | 3 | | 93.3 | 3 | | ; | | * | 94. | |
| 0% | | 74.0 | 80.0 | 87.3 | 90.7 | | 4 | | 1.76 | 7.50 | 0.96 | | 96.0 | 96. | 0.96 0 | 0.96 |
| N 2 | | | | | | | 3. | 2 | 95.3 | 95.3 | | • | | • | 96 | |
| | | | 80.0 | 88.0 | | | | 496.7 | 1.96 | 1006 | 0.86 | 98.0 | 98.0 | 98. | 0 88.0 | 98.0 |
| %
AI | | 74.0 | | 88.7 | 93.3 | | - | 1. | 97.3 | 1. | | 8 | | 8 | 98. | |
| | | | - | 88.7 | | | | 98.0 | | • | | .6 | | .66 | 66 | 99.3 |
| 1 400 | | | - | | 1.46 | 96.7 | | • | 98.7 | 98.7 | | 100.001 | • | .00 | 0100.0 | |
| 88 | | | 80.0 | | | 1.96 | 98.7 | 98.7 | 98.7 | •- | | 000 | 0.0 | 0 | 100 | |
| | • | • | - | | | | | _ | | 100 | 5 | 3 | 000 | | 0.001 | |
| 89 | | ; | 000 | 500 | 24. | 96 | 96 | 900 | 000 | 0 4 | 000 | 000 | 0 | 000 | 0.0010 | 1000 |
| - 1 | • | • | 000 | | 7401 | 100 | | 100 | | | 5 | 2001 | 3 | | 0001 | |

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

73

73-77

SEP HONTH 15 HOURS (157)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | | VISI | VISIBILITY (STATUTE MILES) | ATUTE MILE | (5) | | | | | | |
|------------|----|---------|------|------|------|------|---------|----------------------------|------------|--------|---------|--------|-------|--------|--------|-------|
| (FEET) | 5 | %
Al | 89 | 4 | e Al | Y 2% | 7
Al | ۲۱
۲۵ | 71 71 | - | %
Al | * | Z AI | ≥ 5/16 | × Al | O Ai |
| NO CEILING | | 36.7 | 39.3 | 40.0 | 40.7 | 0 | 0 | 0 | 0 | | | 40.1 | 40.7 | 40.7 | | 40.1 |
| 7 20000 | | 46.7 | | | 50.7 | | | | 50.7 | 20.7 | 50.7 | 50.7 | 50.7 | | 50.7 | 50.7 |
| N 18000 | | 46.7 | | | 50.7 | 0 | 0 | 0 | 0 | 50.7 | 50.7 | 50.7 | | | 50.7 | 50.7 |
| ≥ 16000 | | 46.7 | 49.3 | 50.0 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 |
| > 14000 | | 46.7 | | 0 | 50.7 | | 0 | 0 | | 2004 | 50.7 | 50.7 | | | 50.7 | 50.7 |
| ≥ 12000 | | 48.0 | | | 52.7 | 2 | . 2 | 2 | N | | | 52.7 | 52.7 | | 52.7 | 52.7 |
| ¥ 10000 | | 56.0 | | | 60.1 | 61.3 | - | 61.3 | - | 610 | 61.3 | | | | 61.3 | 61.3 |
| 0006 41 | | 56.0 | | 0.09 | 60.7 | | 1: | 61.3 | 61.3 | 6163 | | 6103 | 61,3 | 61.3 | 61.3 | |
| | | | | | 0.49 | 64.7 | * | | 64.1 | | 64.7 | 64.7 | 64.7 | | 64.7 | |
| 2 7000 | | 59.3 | 0.49 | 65.3 | | | | 68.7 | 68.7 | 68.7 | | | | 68.7 | 68.7 | 68.7 |
| 0009 4 | 1. | 0.00 | 65.3 | 66.7 | 68.0 | 69.3 | | 70.0 | 70.0 | 1000 | 10.0 | 70.0 | 10.0 | 70.0 | 0 | 70.0 |
| > 2000 | | 0.09 | 65.3 | | 68.7 | 0 | | • | 0 | 7007 | 0 | | | 70.7 | 70.7 | 70.7 |
| | | 0000 | 65.3 | - | | C | 0 | 0 | 0 | 10.7 | | | | 0 | 0 | 70.7 |
| 4000 | - | 61.3 | 68.7 | | 72.0 | - | . : | | 4 | | | | | * | 74.0 | 74.0 |
| | | 62.7 | 70.7 | 72.7 | | 75.3 | .0 | 76.0 | 76.0 | | 76.0 | | 76.0 | 76.0 | | 76.0 |
| 3000 | | 68.7 | 78.0 | | 83.3 | 84.7 | 2 | | 5 | | 3 | | | 3 | 85.3 | 85.3 |
| | | 69.3 | 78.7 | 83.3 | | - | 8 | 88.0 | 8 | 8 | 8 | | | 8 | 8 | 88.0 |
| 2000 | | 71.3 | 90.7 | 86.7 | 89.3 | 40.4 | 91.3 | - | - | 9193 | | 91.3 | 91,3 | 91.3 | 616 | 91.3 |
| | | | 80.7 | | 89.3 | 4006 | : | • | - | - | - | | | 91.3 | - | |
| 2 1500 | | 72.0 | | 88.0 | 40.1 | 92.0 | - | 3 | 93.3 | 3 | | : | 93.3 | 93.3 | 93.3 | 93.3 |
| 1200 | | 74.0 | 83.3 | 90.0 | 92.7 | 0.46 | | 95.3 | 95.3 | 95,3 | 95.3 | 95.3 | | 95.3 | 2 | 95.3 |
| VI
000 | | 74.0 | | | | | • | • | • | • | 0 | | | | 0.06 | 0.96 |
| 006
A1 | | | | 91.3 | | 96.0 | 7. | 97.3 | 97.3 | 616 | | | 97.3 | 97.3 | 97.3 | 97.3 |
| | | 75.3 | 84.7 | | 96.0 | | 8 | 8 | | 48.4 | 8 | | | 98.7 | 98.7 | 98.7 |
| 700 | | | | | | 97.3 | | 8 | 98.7 | 48.7 | | • | 98.7 | 98.7 | 98.7 | 98.7 |
| 009 | | | | | | | | • | 8 | 2867 | 98.7 | | 98.7 | 98.7 | 98.7 | |
| 200 | | | 85.3 | 63.3 | 96.7 | 98.0 | | 99.3 | 0 | 6.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 0000 |
| | - | | 85.3 | | 96.7 | | | | 0 | 9,3 | | 100.00 | 100.0 | 100.0 | 100.00 | |
| 300 | 1. | | 85.3 | 63.3 | 1.96 | 98.0 | | 66.3 | | 99.3 | 100.0 | 10000 | 100.0 | 100.0 | 100.00 | 1000 |
| 10 | | 75.3 | 85.3 | 93.3 | 96.1 | 98.0 | 66.3 | | 66.3 | E . 66 | 100.0 | 10000 | 100.0 | 100.0 | 100.0 | 100.0 |
| N 18 | - | | 85.3 | 63.3 | 96.1 | 98.0 | | 66.3 | | 66.3 | 10000 | 10000 | 100.0 | 10000 | 10000 | 0000 |
| | | | 85.3 | | 1.96 | | 6 | 99.3 | | 99.3 | 00.00 | 00.00 | 0000 | 100.0 | 0001 | 0000 |

TOTAL NUMBER OF OBSERVATIONS

150

93839 STATION

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

SEP

| | | | | | | | VISIV | VISIBILITY (STATUTE MILES) | NTUTE MILE | (S) | | | | | | |
|------------|-----|------|------|-------|-------|------|-------|----------------------------|------------|-------|---------|-------|------|--------|--------|-------|
| (FEET) | 2 | AI | S) | AI AI | e vi | N 2% | 2 41 | VI
Z | VI
72 | Ā | %
Al | * | VI X | 2 5/16 | N NI | O AI |
| NO CEILING | - | 0 | 42.7 | 45.3 | 9 | 40.1 | | | | | | 47.3 | | 4 | | 47.3 |
| > 20000 | | 46.7 | 54.7 | 57.3 | 58.0 | 58.7 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59. | | 59.3 |
| V 18000 | | 46.7 | 54.7 | 57.3 | 89 | 58.7 | 6 | | 6 | | 59. | 59. | 59. | 59. | 59. | 59.3 |
| 00091 ₹ | | 46.7 | 54.7 | 57.3 | | 58.7 | . 6 | | 6 | | 59. | 59. | 59. | 59. | 59. | 59.3 |
| | - | 46.7 | 54.7 | 57.3 | | 58.7 | 6 | 59.3 | 6 | | 2 | 59. | 59. | 59. | 59. | 59.3 |
| > 12000 | - | 48.0 | 56.7 | 59.3 | 60.09 | 60.7 | 62.0 | | . 2 | | 62. | 0 | 62, | 62. | 5 | 62.0 |
| | | 52.7 | 61.3 | 0.99 | | 90 | 6 | | | | 69 | 69 | 69 | 69 | 69. | 69.3 |
| 0006
AI | - | 55.3 | 64.0 | | | 70.7 | 2 | 72.0 | 2. | 2. | 72. | 72. | 72. | 72. | 72. | 72.0 |
| | | 59.3 | 68.7 | 73.3 | | | | 77.3 | - | | 17. | 77. | 17. | 77. | 1 | 77.3 |
| 7000 | | 59.3 | 68.7 | 73.3 | | 76.7 | | 78.0 | | 78.0 | 78.0 | 78. | 78. | 78. | 78. | |
| | | 0.09 | 69.3 | 74.0 | | 77.3 | | | 8 | • | 78. | 78. | 78. | 78. | 1 | 78.7 |
| 2000 | - | 60.7 | 70.0 | 75.3 | | | 80.7 | 80.7 | 0 | 0 | | ò | 80. | 80. | 00 | 80.7 |
| | 7. | 61.3 | 70.7 | 76.0 | 79.3 | 80.0 | 81.3 | 81.3 | 81.3 | 81.3 | | 81.3 | | | | 81.3 |
| 1 4000 | | 62.7 | 72.0 | 78.7 | | | 84.7 | | | | | | | | 0 | 84.7 |
| | | 62.7 | 72.0 | 79.3 | | 84.0 | | | 85.3 | 85.3 | 85.3 | 85.3 | | 2. | | 85.3 |
| 3000 | - | 66.7 | 76.7 | 84.7 | | | 90.7 | | 0 | | 90.7 | 0 | 90. | 90. | 0 | |
| | | 68.0 | 78.7 | 87.3 | 0 | | | 93.3 | | 9313 | 93.3 | 63.3 | | 93. | | 93.3 |
| 2000 | | 69.3 | 80.0 | | 2: | | | | 3 | | | 95. | 95. | 95. | 0 | 95.3 |
| ≥ 1800 | 1. | 69.3 | 80.0 | 88.7 | 7:26 | 0.46 | 95.3 | 699.3 | 68.3 | 6563 | £ '56 | 0 | | • | | 95.3 |
| × 1500 | | 69.3 | 80.0 | | 3 | | | 96.7 | • | | | 96. | | 9 | 0 | |
| | . 7 | 70.0 | 80.7 | | | | | 98.0 | 8 | | 98. | 98.0 | | 98. | 0 | 98.0 |
| V 1000 | | 71.3 | 82.0 | | 3 | | 98.7 | | 6 | | 66 | 66 | 66 | 99. | 0 | |
| 0%
AI | | 71.3 | 82.0 | 91.3 | | 97.3 | 98.7 | | 6 | • | 66 | .66 | 66 | 99. | 66 | |
| 900
AI | | 72.0 | 82.7 | | . 9 | | 66.3 | 100.0 | 0 | 10000 | 100 | 100 | 100 | 100 | 0100.0 | |
| | | 72.0 | 82.7 | | | 98.0 | 66.3 | 100.00 | | 100.0 | 100.0 | 2 | 100 | 100 | 2 | |
| 009
AI | | 72.0 | 82.7 | 92.0 | • | | | | | | 100 | - | | 100 | 2 | 100.0 |
| VI 500 | | 72.0 | 82.7 | 92.0 | | 98.0 | 66. | 100.0 | 100.0 | | 100 | - | 100 | 00 | 2 | |
| | | 72.0 | 82.7 | 92.0 | 96.0 | | 66.3 | 100.0 | 100.0 | | 100. | - | | 100. | 0100 | |
| 300 | • | 72.0 | 82.7 | | | 98.0 | 600 | 100.0 | 100.0 | | 100 | - | | 00 | 2 | |
| | | 72.0 | 32.7 | | 0 | | 6.66 | 100.0 | 100.0 | 0 | 100.0 | 1000 | • | _ | 1000 | |
| VI
8 | | 72.0 | 82.7 | 92.0 | 96.0 | 0.86 | 66.9 | 100.0 | 100.0 | | 100 | - | 1001 | 1000 | 100.0 | 0 |
| | | 72.0 | 82.7 | 92.0 | | | 99.3 | 100.0 | 100.001 | 100,0 | 100.0 | 10000 | 1001 | 100.0 | 100.0 | 10001 |

0

TOTAL NUMBER OF OBSERVATIONS

80.7

. 99

٨١

87.3

90.

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

TENNESSEE MEMPHIS

93839

21 HOURS (LST.)

SEP MONTH

> PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

NO CEILING

> 20000

(FEET)

Y Y 1

00 %

A1 A1

2000

AI AI

2000

AI AI

4500 4000

AI AI

84.0 92.0 84.0 87.3 87.3 0.46 65.3 19.3 82.0 90.7 90.7 7.46 96.7 68.7 80.7 66.7 66.7 16.1 76.7 99 84.0 87.3 95.3 84.0 87.3 87.3 92.0 0.46 19.3 82.0 82.0 68.7 76.7 80.7 94.7 96.7 66.7 66. 84.0 0.46 .09 76. 90.7 . 76 ٨I 82.0 84.0 84.0 87.3 87.3 0446 95.3 80.7 90.7 94.7 76.7 66.7 66.7 68.7 96.7 66.1 ٨١ 84.0 984.0 0.46 80.7 82.0 76.7 66.7 66.7 68.7 76.7 81.3 92.0 0.40 87.3 67.3 95.3 76.7 80.7 84.0 84.0 66.7 66.7 2.99 76.7 90.7 90.7 94.7 68.7 ٨١ 84.0 87.3 92.0 80.7 82.0 96.1 66.7 94.7 68.7 76.7 99 76.7 7 7 7 40.4 19.3 87.3 87.3 82.0 84.0 84.0 92.0 95.3 80.7 0.46 1.46 66.7 76.7 68.7 66.7 66.7 96 76. VI Z 92.0 84.0 82.0 84.0 79.3 87.3 76:7 80.7 :96 ۲ ۸ 78.0 86.0 89.3 93.3 67.3 65.3 86.0 94.0 75.3 82.7 90. 92.7 82. 94. 2 21/2 78.0 81,3 88.0 E - 16 19.3 81,3 89.3 . 49 74: 84; 92; 64. 06 74. 84. ۳ ۸۱ 79.3 19.3 82.0 86.0 57.3 66.7 75.3 76.0 77.3 82.0 84.7 87.3 88.0 72.7 72.7 88.7 86.7 64.7 64.7 64. 64.1 ٨١ 70.0 83.3 0.49 82.0 62.0 62.0 70.0 72.7 76.0 0.01 82.7 84. 78. 78. ٨١ 70.0 73.3 74.0 61.3 67.3 67.3 70.0 73.3 56.0 73.3 54.7 0.49 74.0 65.3 72.7 54.7 54.7 61.3 AI 2

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NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93839

MEMPHIS, TENNESSEE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

AI

1 2%

4

Al

Al

2

(FEET)

NO CEILING

ALL HOURS (LST) SEP

2

73.0 56.0 ٨١ 55.9 58.1 65.6 66.3 71.7 ٨١ 71.6 2 5/16 ٨١ 65.3 0.99 AI ΑI

75.2 75.0 83.2 2447 65.3 71.3 0.99 74.7 7 7

76.2 64.8 54.6 56.6

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53.2 53.8

2000

ALAI

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VI VI 0008 0008 0008

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81.3

70.7 73.4 79.5 80.5

70.1

74.1 78.2 79.4

71.0

61.3

71.2 71.9

61.4

1500

AI AI

62.2

68.8

56.6

2500

ALAI

67.9

58.4

3000

AI AI

69.2 67.0

62.0

63.8

55.2

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ALAI

86.2

86.2 89.5

86.1

89.4

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89.0

85.7

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89.6 89.7

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47.8 87.0 48.6 8 90.8 90.1 6 89.8 92.5

87.3

80.B

73.3

63.4

1200

ALAI

88

ALAI

81.8 82.3

74.1

64.3 64.7

85.

83.7

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95.4 96.1 96.5 1.96

83.8

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83.4 83.8

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6.8.3 65.4

88

AI AI

75.5

74.8

74.5

91.2 91.7 91.8

TOTAL NUMBER OF OBSERVATIONS

6

80

AIAI

88

AIAI

1200

SOWS DIRNAVOCEANMET

WAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS

TENNESSEE

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE

00 HOURS (1.5.T.)

UCT.

(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

Al 7 1%

7

AI

Al

AI

10

٨I

2 Al

(FEET)

NO CEILING

V 2000

10

٨I

Al

٨I

73.6 76.1

2000

72.9

72.3

70.07

YI YI 8000 0009 0000

73.6

73.6

13.6 76.1 73.6 78.7

> 76.1 73.6

> > 76.1

76.1

74.8

72.9

71.0

V V 1200

76.8

77.4

73.6

00 %

AI AI

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TOTAL NUMBER OF OBSERVATIONS

155

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

93839 STATION

DC T

03 HOURS (1 5 T)

PERCENTAGE FREQUENCY OF OCCURRENCE

73-77

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| CEILING | | | | | | | VISIB | HLITY (STA | VISIBILITY (STATUTE MILES) | s | | | | | | |
|------------|----|------|-----------|------|------|------|-------|------------|----------------------------|---------|--------|------|------|--------|--------|------|
| (FEET) | 71 | 9 11 | \$0
A1 | 4 | e vi | 2 2% | 2 1 | VI
%1 | ۷۱
۲۰ | -
AI | ×
N | * AI | Z AI | > 5/16 | N
N | 2 0 |
| NO CEILING | | 56.8 | 59.4 | 63.2 | 5 | 5 | 5 | 5 | | 5 | 5 | 5 | 5 | 5 | | 5 |
| > 20000 | | 60.7 | | 67.1 | .6 | . • | | | 6 | | 6 | 6 | 6 | | 6 | 6 |
| N 18000 | | 60.7 | | | .6 | | | 6 | | • | 6 | 6 | | 6 | | 0.69 |
| 00091 < | | 60.7 | | 67.1 | 6 | | 69.0 | 6 | | 6 | 6 | | | 6 | 6 | 6 |
| N 14000 | | 60.7 | | | 6 | 6 | .6 | 6 | .6 | . 6 | 6 | 6 | 6 | | | |
| 12000 | , | 61.9 | | | - | - | - | - | - | 1: | 1: | 1. | - | - | - | 71.0 |
| V 10000 | | 58.4 | 71.0 | 76.1 | 8 | 78.1 | 00 | 8 | 8 | 78.1 | 8 | 78.1 | | 8 | | 78.1 |
| 000 | | 68.4 | : | | | | 8 | | | 8 | 8 | 8 | 8 | 8 | 8 | 78.1 |
| | | 71.6 | | | - | - | : | - | - | - | - | - | 1. | 1. | 1: | 81.3 |
| 141 | | 71.6 | | 79.4 | : | - | | - | - | - | - | 1: | | 1: | | 81.3 |
| 1 | | | 9 | | 2 | 2 | 2 | 2. | 2 | 2. | 2. | 2 | 2. | 2. | 2. | 82.6 |
| 2006 | | 72.9 | | 80.4 | N | 2 | | 2 | 2 | 2 | 2 | 2 | 2. | 2 | 3 | 82.6 |
| 1 | | 72.9 | 3 | 0 | 2 | 2 | | 2 | 2 | 20 | 2. | 2 | 2 | 2 | 2. | 82.6 |
| 111 | | 74.8 | | * | 1 | - | | 7 | - | 7 | - | - | - | - | 1: | 87.1 |
| 1 | | 74.8 | 0 | * | - | 7 | | - | - | - | - | 2 | - | 7. | 7. | 87.1 |
| 3000 | | 74.8 | 0 | 4 | | 7 | - | 7 | - | - | - | | 1: | 1. | 1 | 87.1 |
| 1 | | 78.5 | 81.3 | 86.5 | 99.0 | | 0 | | 89.0 | 0 6 6 8 | .6 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 |
| 7000 | | 76.1 | - | - | 0 | 0 | | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 90.3 |
| | | 76.8 | 2 | 6 | - | - | : | - | | - | - | - | - | : | : | 91.6 |
| 1500 | | 77.4 | 6 | 0. | 2 | 2 | | 2 | 2 | 2 | 2 | 2 | 2. | 2. | 2. | 92.9 |
| 1 | | 78.7 | 4 | - | 6 | 5 | * | * | 4 | * | * | | | * | ; | 94.2 |
| 000 | | 80.0 | | 2 | 3 | | 96.8 | , | | 69 | 9 | 9 | | .9 | • | 96.8 |
| | | 80.7 | - | 93.6 | | 9 | | - | 4.16 | - | - | 1. | | - | • | 97.4 |
| 00
Al | | 80.7 | - | | | 6 | - | 8 | | 8 | 00 | 8 | 8 | 8 | 8 | 98.1 |
| | | 80.7 | 2 | | 9 | 9 | 7. | 8. | | 8 | 8 | 80 | 8 | 8 | | 98.1 |
| 8 | | 80.7 | | | : | 0 | 1- | | | 8 | 8 | 8 | 8 | 8 | 8 | 98.1 |
| | | 80.7 | - | | 0 | 0 | 98.1 | 8 | 1.86 | 8 | 8 | 8 | 98.7 | 8 | 98.7 | 98.7 |
| VI 400 | | 80.7 | 87.1 | * | | | 98.7 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 4.66 |
| 30 | | 80.7 | 87.1 | . 4 | 4.16 | 4.16 | 8.7 | 000 | 0 | • | 100.0 | 000 | 0.00 | 0 | 0 | 000 |
| | | 80.7 | 87.1 | 2.46 | | - | 8. | 0.0 | 0 | 0 | 00 | 0 | 5 | 0 | 0000 | 000 |
| 89 | | 800 | 87.1 | 24.0 | 4.10 | 4.10 | 98 | | 10001 | 000 | 000 | 000 | 000 | 0000 | 000 | |
| 1 | | •00 | 7 | | 1 | | | • | | | 2 | | | | | |

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TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MENPHIS, TENNESSEE

00 HOURS (1 S T.) DCT HONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | | VISI | VISIBILITY (STATUTE MILES) | NTUTE MILE | (S) | | | | | | |
|------------|---|------|------|------|------|------|------|----------------------------|------------|------|---------|------|------|--------|------|-------|
| (FEET) | 2 | 9 11 | 80 | 4 | e Al | > 2% | 7 1 | ۲۱
۲۲ | VI
2. | - | %
AI | * | Z Al | 2 5/16 | × 1 | 0 1 |
| NO CEILING | | 29.7 | 36.8 | 49.7 | 4 | 55 | 8 | 6 | 0 | 0 | 60. | 0 | 0 | 61. | 61. | 61.3 |
| > 20000 | | 33.6 | 40.7 | 54.2 | | 00 | - 50 | | • | 04.5 | 65. | 3 | 65 | 65. | 65. | 65.8 |
| 18000 | | | 40.7 | 54.2 | . 9 | 60. | | 3. | * | | 65. | 3. | 65. | 65. | 65. | 65.8 |
| V 16000 | | | 40.7 | 54.5 | 8 | .09 | 100 | | * | | 65 | 3 | 65 | 62. | 65 | 65.8 |
| > 14000 | | | : | | | .09 | - | | * | * | 65. | 3 | 65. | 65. | 65. | 65.8 |
| 12000 | | 36.1 | | 57.4 | - | 63 | | | - | - | 68 | 68.4 | 69 | 69 | 69 | 69.0 |
| | | 38.1 | | 0 | 64. | 65. | | 6 | 0 | 0 | 1. | | 11. | 71. | 71. | 71.6 |
| 000 | | 38.1 | 3 | • | . 40 | 6.5 | . 6 | 6 | 0 | 0 | 71. | | 71. | 71. | 71. | 71.6 |
| | | 38.7 | | 2. | 67. | 68. | 2 | 2 | 3. | 3. | 74. | | 14. | 74. | 74. | 74.8 |
| 7000 | | 40.7 | 49.7 | 64.5 | 69 | 70 | * | | 3 | •- | 76 | 76.1 | 76. | 76. | 76. | 76.8 |
| 1 | | 40.7 | | 4 | 69 | 70. | 3 | | 3 | 3 | 76. | | 76. | 76. | 76. | 76.8 |
| 2000 | | 41.3 | | | 0 | 71. | | | | 0 | 77. | | 78. | 78. | 78. | 78.1 |
| | | 41.3 | : | | 0 | 71. | 5. | | 0 | | 17. | | 78. | 78. | 78. | 78.1 |
| 141 | | 42.6 | | | | 74. | | | 0 | 0 | 80. | | 81. | 81. | 81. | 81.3 |
| 1 | | 43.2 | - | | * | 76. | 0 | 0 | - | - | 81. | | 82. | 25 | 82. | 82.6 |
| 3000 | | 44.3 | 55.5 | 72.3 | | 79. | . 6 | 3 | * | * | 85. | | 0 | 85. | 85. | 85.8 |
| 1 | | 45.2 | 56.8 | | 8 | 80. | * | 5 | 3 | 2 | 87. | | 87. | 87. | 87. | 87.7 |
| 141 | | 46.9 | 58.1 | 75.5 | | 30 | 87.7 | 4.88 | 89.0 | 89.0 | 90.3 | 90.3 | o | 91.0 | 91.0 | 91.0 |
| | | 46.3 | 58.1 | | 0 | 83 | - | 8 | 6 | 6 | .06 | | .16 | 91. | 91. | 91.0 |
| 1500 | | 47.1 | 60.0 | 77.4 | 2 | 83 | . 6 | | - | - | 92. | | 95. | 92. | 92. | 92.9 |
| | | 47.7 | 60.7 | | 3 | 86. | 0 | - | - | - | 92. | | 93. | 93. | 93. | 93.6 |
| 1000 | | 47.7 | 61.3 | 78.7 | 3 | 87 | | 2. | 2 | 5 | . 76 | | . 46 | 94. | 94. | 94.8 |
| | | 47.7 | 61.9 | | 4 | 87. | 2 | 3. | | | 96 | | 95. | 95. | 95. | 95.5 |
| 8 | | 48.4 | 62.6 | | 3 | 88 | N | | | * | 95 | | 96 | 96 | 96 | 96.1 |
| | | 7.84 | | | 5 | 68 | | * | 4 | * | 96 | | 90. | 96 | 96 | 96.8 |
| 00 | | 48.4 | | | 2 | 89 | | * | 3 | Š | 96 | | 97. | 97. | 6 | 97.4 |
| | | 48.4 | | | 5 | 89 | * | 5 | | | 97. | | 0 | 8 | 6 | 98.1 |
| 141 | | 48.4 | | | 2 | 68 | . 4 | 3 | | •- | | | o | 8 | 0 | 98.1 |
| | | 48.4 | | | 5 | 68 | * | 96.1 | 9 | - | 86 | | 6 | 6 | 0 | 40.66 |
| 38 | | 48.4 | 63.2 | | 85.8 | 68 | 94.2 | 96.1 | 96.8 | 97.4 | | 98.7 | 466 | 99.4 | 4.66 | 4.66 |
| | | 48.4 | 63.2 | 80.7 | 2 | 80 | 3 | 96.1 | 96.8 | 4016 | 98.7 | 98.7 | 4.66 | 4.66 | 4.66 | 4.66 |
| ١٨١ | | 48.4 | 63.2 | 80.7 | 83.8 | 89.0 | | | 96.6 | 400 | 98.7 | 98.7 | 4.66 | 4.66 | 4.66 | 100.0 |

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TOTAL NUMBER OF OBSERVATIONS

155

93839 STATION

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

DCT HONTH

00 HOURS (L S T.)

| VISIBILITY (STATUTE MILES) | Y 10 Y 6 Y 5 Y 4 Y 3 Y 21% Y 2 Y 11% Y 11% Y 1 Y Y 1 | 5 49.7 51.4 56.1 58.1 59.4 60.0 60.0 50.0 60.0 6 | 8.1 62.6 64.5 65.8 66.5 66.5 66.5 66.5 66.5 | . 8 58.1 62.6 64.5 65.8 66.5 66.5 66.5 66.5 66.5 6 | 35.8 38.1 62.6 64.3 65.8 66.5 66.5 66.5 66.5 66.5 | 14000 55.9 58.1 62.6 64.5 65.8 66.5 66.5 66.5 66.5 66.5 | . 5 58.7 63.2 65.2 66.5 67.1 67.1 67.1 67.1 6 | 10000 58.7 62.6 67.1 69.0 70.3 71.0 71.0 71.0 71.0 7 | .7 62.6 67.1 69.0 70.3 71.0 71.0 71.0 71.0 7 | 60.0 63.9 69.0 71.0 72.3 72.9 72.9 72.9 72 | 7 64.9 69.7 71.6 72.9 73.6 73.6 73.6 73.6 7 | 60.7 64.5 69.7 72.3 73.6 74.2 74.2 74.2 74.2 7 | 2 67.1 72.3 74.8 76.1 76.8 76.8 76.8 76.8 7 | 53.9 67.7 72.9 75.5 76.8 77.4 77.4 77.4 77.4 77 | 0.3 75.5 78.1 79.4 80.0 80.0 80.0 80.0 80 | 65.8 71.0 76.1 78.7 80.0 80.7 80.7 80.7 80.7 80 | 5 71.6 77.4 80.0 81.3 82.6 82.6 82.0 82.6 82 | 66.9 71.6 77.4 80.0 81.3 82.6 82.6 82.6 82.6 82 | 7 76.6 82.6 85.8 87.1 88.4 8 4 88.4 8 8.4 8 | 3.7 86.5 87.7 89.0 89.0 89.0 89.0 8 | 71.0 78.1 84.5 88.4 89.7 91.0 91.0 91.0 91.0 9 | 6 78.7 85.2 89.0 90.3 91.6 91.6 91.0 91.0 9 | 71.6 78.7 85.8 91.0 92.3 93.6 94.2 94.2 94.2 9 | 71.6 78.7 86.5 91.6 92.9 94.2 94.8 94.8 94.8 9 | .3 79.4 87.7 92.9 94.2 95.5 97.4 97.4 97.4 9 | 72.9 80.0 88.4 93.6 94.8 96.1 98.1 98.1 98.1 9 | .9 80.0 88.4 93.6 94.8 96.1 98.1 98.1 98.1 9 | 72.9 80.0 88.4 93.6 94.8 96.1 98.1 98.1 98:1 9 | .9 80.7 89.0 94.2 95.5 96.8 98.7 98.7 98.7 9 | 0.7 89.0 94.2 95.5 96.8 98.7 98.7 99.4 9 | 72.9 30.7 89.0 94.2 95.8 96.8 98.7 98.7 99.4 9 | 12.9 80.7 89.0 94.2 95.5 96.8 98.7 98.7 99.4 9 | 0 7.00 % 00 % 00 % 00 % 00 % 00 % 00 % 0 |
|----------------------------|--|--|---|--|---|---|---|--|--|--|---|--|---|---|---|---|--|---|---|-------------------------------------|--|---|--|--|--|--|--|--|--|--|--|--|--|
| | % A | .0 60.0 60. | .5 66.5 66. | .5 66.5 66. | .5 66.5 66. | .5 66.5 66. | .1 67.1 67. | .0 71.0 71. | .0 71.0 71. | .9 72.9 72. | .6 73.6 73. | .2 74.2 74. | .8 76.8 76. | .4 77.4 77. | .0 80.0 80. | .7 80.7 80. | .6 82.6 82. | .6 82.6 82. | .4 88.4 88. | .0 89.0 89. | .0 91.0 91. | .6 91.6 91. | .2 94.2 94. | . 8 94.8 94. | .4 97.4 97. | .1 98.1 98. | .1 98.1 96. | .1 98.1 98. | .7 98.7 98. | 6 4.66 4. | .4 99.4 9 | 6 4.66 4. | 0 7.00 7 |
| | 2 5/16 ≥ ½ | 9 0.09 | 66.5 | 9 5.99 | 66.5 6 | 66.5 6 | 67.1 6 | 71.07 | 71.0 7 | 9 72.9 72. | 73.6 7 | 74.2 7 | 76.8 7 | 77.4 7 | 80.08 | 80.78 | 82.6 8 | 82.6 8 | 88.4 8 | 80.68 | 91.0 9 | 16 9.16 | 94.2 94 | 94.8 94 | 97.4 9 | 98.1 | 98.1 9 | 98.1 9 | 98.7 9 | | 6 4.6 | 66 4 66 1 | 4 |
| | ٨١ | 0 60 | 5 67. | | | 0 | 0 | - | - | .9 73. | - | - | - | | 80 | 00 | 6 83. | | 00 | 0 | 0 | 6 9 | 0 | .8 95. | 0 | 0 | | | 0 | - | 4100. | 4100. | 4100 |

TOTAL NUMBER OF OBSERVATIONS

155

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMDETS TENNESSEE

73-77

12 HOURS (L S T.) TOCT HONTH

YEARS

| PERCENTAGE FREQUENCY OF OCCURRENCE | ATIONS) |
|------------------------------------|---------------------------|
| 9 | SERV. |
| NC | 088 |
| FREQUE | (FROM HOURLY OBSERVATIONS |
| CENTAGE | (FROM |
| F | |

| | 0 | 1.0 | 5.2 | 5.8 | 5.8 | 30 | 7.1 | 1.0 | 1.6 | 3.6 | 8 . 4 | 6.1 | 7.4 | 4. | 0.0 | 1.0 | 3.9 | 8.4 | 2.4 | 4.2 | | 5.5 | 8.1 | 8.7 | *** | 4.6 | 3.4 | 4.6 | 0.0 | 0.0 | 0 | 0 | 0.0 |
|----------------------------|----------|------------|---------|---------|---------|---------|-----|--------|------|------|--------|------|--------|-----|----------|------|--------|--------|--------|--------|-----|-------|-----|-------|-------|------|-------|------|------|-------|------|-------|-------|
| | ٨١ | 80 | • | 0 | 0 | 0 | 0 | - | 1 9 | - | - | 1 | - | | | | 9 83 | | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 9 | 0 | 2 | 2 | 2 | 2 | 20 |
| | VI % | | 5 | | 50 | | - | | 71.0 | 3 | * | • | - | | | | | | | | | | | | | 366 | | 99.4 | | 100 | 00 | 0000 | 000 |
| | 2 5/16 | 9 | 5 | 5 | 5 | 5 | | - | - | 3 | * | 9 | - | | 0 | 0 | 13 | 8 | 4 | * | * | 95.5 | 8 | 8 | 6 | 7.66 | 4.66 | 4.66 | ċ | • | • | 0000 | 00.00 |
| | × × | 1.0 | | 5.8 | 5.8 | | 7:1 | | 9 | 0 | 8 | 7 | 4 | 3 | 0 | 1 | 0 | 4 | ~ | ~ | 0 | 5 | 7 | 1 | \$ | * | 4 | 3 | 0 | - | 5 | 0.0 | 0 |
| | * 1 | 6 | 5 | 3 | 5.8 | 5.8 | 7.1 | - | • | 3.6 | 4.8 | 1.9 | 7.4 | 4. | 0.0 | 1.0 | 3.9 | 9 . 4 | 4.2 | 4.2 | | 2.5 | 8.1 | 8.1 | 4.6 | 4.6 | 4.6 | 4.6 | 0.01 | 10. | 10.0 | 0.0 | 0.0 |
| | * 11 | - | 2.5 | 8 | 30 | 8.8 | | 0 | 9 | 9.0 | 80 | 7:0 | 4. | 3. | 0.0 | 100 | 0. | 30.4 | 2. | ~ | 03 | 5. | 3.1 | 3.7 | 4. | 4. | * | 4. | 0.01 | 10.0 | 0.0 | 0.010 | 0.010 |
| | - | 7. | | 80 | 8 | 80 | - | 0 | 4 | 9. | 80 | 7. | 4 | 4 | 0 | | • | 4 | ~ | 2 | 80 | 5.5 9 | | | 4 . | * | 4 | 4 | 10. | | 0 | 0100 | 0 |
| (ILES) | Al | 2 | 0 | 0 | 0 | 0 | • | - | 1 9 | - | 1 | - | ~ | - | 20 | 0 | 20 | 20 | 0 | 3 | 0 | 30 | 0 | 5 | 4 | 3 | 9 | 5 | | 10 | 0 | 010 | 0 |
| ATUTE A | 7 1% | S | 0 | 9 | • | 0 | • | - | 1 | 73 | - | 1 | - | 11 | x | 80 | 80 | 88 | 0 | 76 | 0 | 68 | 2 | 0 | 0 | 66 | 66 | .66 | 0 | | 0 | 100 | |
| VISIBILITY (STATUTE MILES) | VI 7% | | 5 | 3 | 2 | 3 | | - | 1. | 3 | ; | | - | | 0 | 0 | 3 | 8 | | ; | | 95.5 | | | | 4.66 | | 66 | | 100.0 | 00 | 00 | |
| VISI | 2 4 | 9 | | 5. | | 3. | - | - | 71.6 | | 4 | .9 | - | - | ò | | 3 | 80 | | * | | 95.5 | - | | 6 | 0 | 6 | 4.6 | 0000 | 0000 | 0000 | 0.00 | 0 |
| | > 2% | 9 | 5 | 5 | 3 | 5 | | - | - | * | | . 9 | - | | 0 | 0 | | * | | . 4 | | * | 8 | 0 | • | | | 6 | 4.6 | 4 | 3 | 99.41 | 14.66 |
| | es
Al | 0 | 2 | 5 | 3 | 3. | - | - | 1: | 3 | 4 | 5. | | 0 | 6 | 0 | 3 | 1. | 2 | 2. | 3 | 2:46 | 0 | 0 | - | ~ | 1 | 4.76 | 97.4 | 97.4 | 97.4 | 4.7.0 | 910 |
| | 4 | 6.1 | | 5.8 | 8.5 | 5.8 | 7.1 | 1.0 | 1.6 | 5.9 | 4. | 4.8 | 6.1 | 6.1 | 8.1 | 3.6 | 1.9 | 5.8 | 1.0 | 1.0 | 1.6 | 1.6 | 2.4 | 4 . 2 | 4 . 8 | 8.4 | 4 . 8 | 4.8 | 8.4 | es : | | | 0 |
| | so
Al | 9 | 65.2 | 3 | 65.8 | 3 | 7 | 0 | | 5. | N | | - | - | - | 3 | 0 | 2 | 3 | 3 | 0 | | 753 | (e) | 0 | 0 | 1.0 | | 1 | 1.0 | - | 0.16 | - 1 |
| | o
Al | 52.9 | 61.3 | 61.9 | 61.9 | | 3 | | 67.7 | 0.69 | - | 643 | 71.6 | - | | - | - | - | • | 1.9 | | 81.9 | 9 | - | | | N | 83.2 | | 83.2 | 63.2 | 83 | 63.4 |
| | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 |
| CEILING | (FEET) | NO CEILING | Z 20000 | 7 18000 | ≥ 16000 | 2 14000 | | Z 1000 | | | > 7000 | 0009 | > 2000 | | 4000 | 3500 | > 3000 | 2 2500 | 7 2000 | 7 1800 | | 1200 | 000 | 000 | | 92 | | 200 | 1 | 30 | 1 | 8 | 1 |
| | | ž | | | | | | | | ^1 | | ^' | | | ٨١ | ^1 | ^' | | ^' | | ^' | | | | | | ^' | ^' | ^' | A1. | | ۸۱ / | |

TOTAL NUMBER OF OBSERVATIONS

155

93839

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

DCT NONTE

2

| CEILING | | | | | | | VISI | BILITY (ST. | VISIBILITY (STATUTE MILES) | (53 | | | | | | |
|------------------|----|------|------|------|------|------|------|-------------|----------------------------|-------|---------|-------|---------|--------|---------|---------|
| (FEET) | 5 | ٨١ | 87 | 4 | N AI | ≥ 2% | N AI | VI
% | VI
% | - | %
AI | * | Z
Al | 2 5/16 | VI
N | O
Aî |
| NO CEILING | | 2 | 58. | 58. | 58. | 58. | | 8 | 8 | 8 | 8 | 8 | 58. | 58. | 58. | 58. |
| > 20000 | - | 63.9 | 64. | 04. | 64. | 64. | | ; | * | * | * | * | . 40 | 64. | 64. | 0 |
| N 18000 | | 64.5 | 65. | 65. | 65. | 65. | 8 | 2 | | | 2 | 65.2 | 65. | 65. | | 0 |
| 16000 | - | 64.5 | 65 | 65. | 65. | 65. | | 2 | 3 | 3 | 3 | 3 | 65 | 65. | 65. | • |
| N 14000 | | 64.5 | 5. | 65. | 65. | 65. | 3 | 3. | 5 | 5 | 5 | 5 | 65. | 65. | 65. | 0 |
| > 12000 | - | 67.1 | - | 68 | 68. | 68. | | 8 | 8 | 8 | | | 68 | 68. | 68. | 0 |
| | | | - | 72. | 72. | 72. | 2 | 2. | 2. | 2 | 2. | 2 | 72. | 72. | 72. | - |
| 0006 | | 70.3 | - | 72. | 72. | 72. | 2 | 2 | 12 | | 3 | 2 | 72. | 72. | 72. | - |
| | | 72.3 | 74.2 | - | - | 74. | 74.8 | | | 5 | | 74.8 | 74. | * | 74. | |
| 7000 | | 72.9 | * | 76. | 76. | 76. | | 9 | | 9 | | • | 76. | 76. | 76. | - |
| 1 | | 74.2 | | 77. | 77. | 77. | - | - | - | - | - | - | 77. | 77. | 77. | - |
| 2000 | | 74.8 | 76. | - | | 78. | | | 8 | 8 | | | 78. | 78. | 78. | |
| | | | 77. | - | | 79. | 6 | 6 | 6 | 6 | 6 | 6 | 79. | 79. | 79. | 8 |
| 900 1 | | 77.4 | 0 | 81.3 | : | 81. | | - | - | - | - | - | 81. | 81. | - | |
| 1 | - | 80.0 | 2 | 1 | 3 | 84. | 3 | 4 | * | 5 | * | * | 84. | 84. | 84. | 0 |
| 3000 | | 83.2 | 30 | | 8 | 88. | | 8 | | 8 | | | 88 | 88 | 88. | 8 |
| 1 | | 86. | 0 | 0 | 2 | 92. | 2. | 2. | 2 | 2. | 2. | 2. | 2. | 92. | 92. | 0 |
| 2000 | - | 87.7 | | | | 96 | | | .0 | | | • | | 96. | 96 | 0 |
| | | 87.7 | * | 96 | 96 | 96 | | 9 | | 9 | • | • | 0 | 96. | 96 | 0 |
| > 1500 | | 88. | * | 0 | 97. | 97. | 8 | 8 | 8 | 8 | 8 | | 8 | 98. | 98. | 0 |
| | | 88.4 | 8.46 | 97.4 | 98.1 | 98.1 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | | | 7 98.7 | 98.7 |
| V 1000 | .7 | 88. | | 5 | 80 | 98 | 8 | 00 | 8 | 8 | 8 | | 8 | 98. | 98. | 0 |
| 9%
AI | | 4.88 | * | 0 | | 00 | 80 | 8 | 8 | 8 | 8 | 8 | | 98. | 86 | 0 |
| 08
AI | | 88.4 | * | 0 | | | | 8 | 8 | 8 | 8 | 8 | 8 | 98. | 98 | 0 |
| | | 88.4 | 94.8 | 97.4 | | 30 | | 8 | | 8 | | 98.7 | .86 | 8 | 98. | 9 |
| 08
1 A I | - | 88.4 | 94.8 | 97.4 | | * | | | 98.7 | 8 | 8 | 98.7 | 98 | 8 | 98. | 0 |
| | | 88. | 8.46 | 97.4 | | 0 | 4.6 | 00.00 | 0 | 0 | 0 | 0 | 0 | 100 | 100 | 2 |
| 1400 | | 88.4 | 8.46 | 97.4 | 98.1 | 0 | 4.6 | 0.0 | 100.0 | | 100.0 | 0 | | 0 | 2 | - |
| | | | 8.46 | 97.4 | | 00 | 4.6 | 0000 | 0 | 0 | 0 | 0 | 0 | .0 | 100 | 10 |
| 700 | | 88.4 | 94.8 | 97.4 | | 8 | 4.6 | 00.00 | 100.001 | 10000 | 100.0 | 100.0 | | 100 | 100 | 10 |
| | | 88. | 8.46 | 97.4 | | 98.7 | 9.6 | 0.0 | 0 | | 0 | | | 100 | 100 | 10 |
| ١٨١ | T. | 88.4 | 8.46 | 97.4 | 98.1 | 98.7 | * | 00.00 | 100.00 | 0 | | 0 | | | 0100.0 | 100.0 |

0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

71.6

72.9

16.

76.8 81.3 81.3 82.6

81.3

82.6 87.1

91.0

97.4

98.1

98.7

99.

96.8 92.9

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93839 STATION

MEMPHIS, TENNESSEE

(FROM HOURLY OBSERVATIONS)

PERCENTAGE FREQUENCY OF OCCURRENCE

18

E

| BNIII | FEET) | CEILING
20000 | 18000 | 16000 | 14000 | 12000 | 10000 | 0006 | 8000 | 2000 | 9009 | 2000 | 4500 | 4000 | 3500 | 3000 | 2500 | 2000 | 1800 | 1500 | 1200 | 1000 | 006 | 008 | |
|----------------------------|---------|------------------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | O1 ≤ | | | | | | | | | | | | | | | | | | | | | | | | |
| | ٨١ | 61.9 | • | | 68.4 | | | | | | | | | | | | 81.3 | | | 83.2 | | . • | | 83.9 | 1 |
| | SS AI | 55.5 | | | | | | | | | | | | | | | | | | | | | | | |
| | 4 | 2.59 | | | | | | | | | | | | | | | | | | | | | | | 1 |
| | ε · | 45.2 | | | | | | | | | | | | | | | | | | | | | | | |
| | 2 2% | 25.2 | | - | 1. | 2 | .9 | | - | - | - | 2 | 2 | * | - | - | ~ | 0 | 1. | - | | | 8 | 00 | 2 |
| VISI | 2 2 | 45.2 | 1 | | - | ~ | | . 9 | - | - | - | 2 | 2 | * | - | - | 2 | | - | : | - | | 8 | | |
| BILITY (ST | 2 1% | 71.0 | | - | - | 2 | 9 | | - | - | - | 2. | 2 | | - | - | 2. | | - | - | - | 8 | 8 | 8 | • |
| VISIBILITY (STATUTE MILES) | 71 71 | 71.0 | | | | | | | | | | | | | | | | | | | | . • | | | |
| ES) | 1 1 | 71.0 | - | 71. | 11. | 720 | 16. | 100 | 81. | 7 | 81.9 | 82 | 82. | \$ 5 | 87. | 2. | 920 | 96 | 97. | 97. | 86 | 98 | 96 | 66 | 66 |
| | % Al | 71.0 | F | 7 | 71 | 72 | 16 | 16 | 81 | 8 | 81 | 82 | 32 | 84 | 87 | 16 | 92 | 96 | 46 | 4 | 96 | 86 | 86 | 66 | 00 |
| | * | 71.0 | 71.6 | 71.6 | 71.6 | 72.9 | 76.1 | 76.8 | 81.3 | 81.3 | 81.3 | 82.6 | 82.6 | 84.5 | 87.1 | 91.0 | 92.9 | 8.96 | 97.4 | 97.4 | 98.1 | 98.7 | 98.7 | 4.66 | 1-00 |
| | N % | 71.0 | F | 7 | 7 | 72 | 16 | 20 | 8 | 8 | 8 | 82 | 82 | 4 | 87 | 6 | 6 | 96 | 97 | 97 | 98 | 96 | 96 | 66 | 06 |
| | ≥ 5/16 | 71.0 | | 7: | - | 72. | 76. | 76. | 81. | 81. | 81. | 82. | 82. | 84. | 87. | 91. | 92. | 96. | 97. | 97. | 98. | 98. | 98. | 66 | 000 |
| | %
Al | 71.0 | | | | | | | | | | • | | | | | | | | • | | | | | |
| | | | | | 1 | | 1 | | | | | | | | | | | | 1 | | i | | | | |

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TOTAL NUMBER OF OBSERVATIONS

155

2

99.4100:0100:0100:0100:0100:0100:0100:

4.66

4.66

96.8

8 8 8 8 8 8 8 8 9 9 9

88

88

83.9 83.9 83.9

88

ALAI

80

4.66 9.66

4.000

4.66 4.66

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MENPHIS, TENNESSEE

73-77

13-11

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

UCT COURT STATE OF THE PROPERTY OF THE PROPERT

| CEILING | | | | | | | | | TISIONELLI (SICILOIS MISES) | | | | | | | - 1 |
|------------|------|-------|------|------|------|------|------|-------|-----------------------------|------|---------|-------|---------|--------|-----|------|
| (FEET) | 01 Y | 9 1 | 2 5 | 4 | e Al | Y 2% | 1 2 | ¥1 Y | Y 7 % | 1 | %
Al | * | VI
Z | ≥ 5/16 | VI | |
| NO CEILING | | 66.99 | 9 | 70.3 | | - | - | 1: | | - | 1. | - | - | - | 4 | |
| N 2000 | | 69.7 | 3 | 7402 | 74. | * | | 3 | | + | 74. | 74. | 74. | 74. | | 1000 |
| V 18000 | | 69.7 | | * | 74. | 4 | 3 | * | | * | 74. | 74. | 74. | 74. | - | 1000 |
| V 16000 | | 69.7 | | | 74. | 4 | 4 | - | : | * | 74. | 74. | 74. | 74. | | |
| > 14000 | | 69.7 | 3. | • | 74. | 4 | | | | . 4 | - 42 | 74. | . 46 | 74. | - | |
| > 12000 | | 70.3 | | * | 74. | 3 | 3 | 2 | | 2 | 75. | 75. | 75. | 75. | - | |
| | | 74.8 | 8 | | 79. | 0 | 0 | 0 | | 0 | 80. | 80. | 80. | 80. | 80. | |
| 0006 1 | | 75.5 | | ċ | 80. | 0 | | 0 | | 0 | 80. | 80. | 80. | 80. | 80. | |
| | | 80.0 | 1 | 86.5 | 86 | 7. | 87.1 | 87.1 | 87.1 | | 87. | | 87. | 87 | 87. | |
| > 2000 | | 80.0 | 3 | 9 | 86. | - | 7. | 7. | 1. | - | 87. | 87. | 87. | 87. | 87. | |
| | | 80.0 | 5 | 6. | 86. | 7. | 7. | 7. | 7. | 1. | 87. | 87. | 87. | 87. | 87. | |
| 2000 | | 80.0 | 5 | | 86. | - | | - | - | - | 87. | 87. | 87. | 87. | 87. | |
| 1 | | 81.3 | | | 87. | 8 | 20 | 8 | | 8 | 88. | 88. | 88. | 88. | 88. | |
| 4000 | | 82.6 | 6 | | 90. | - | | - | - | - | 91. | 16 | 91. | 91. | 91. | |
| | | | 0 | - | 91. | 3 | 3 | 2. | 2 | 2 | 92. | 92. | 92. | 92. | 5 | |
| 3000 | | 83.9 | 2 | - | 93. | 4 | 3 | | | ; | 94. | 94. | . 46 | 94. | 94. | |
| | | 83.9 | 2. | 93.6 | * | 4 | 3 | ; | | * | 94. | 94. | 94. | 94. | 94. | |
| 7 2000 | | 85.2 | | | | .0 | . 9 | | | | 96 | 96 | 96 | 96 | 0 | |
| | | 85.2 | 3. | | 9 | • | 3 | 9 | 9 | | 96 | 96 | 96 | 96 | 0 | |
| 1500 | | 83.8 | | 96.1 | | | - | - | : | - | 97. | 97. | 97. | 97. | 0 | |
| | | 85.8 | 3 | | | - | - | 7 | 97.4 | - | 97. | 97. | 97. | 97. | 9 | |
| 1000 | | 85.8 | * | 96.8 | | 8 | 00 | | 98.1 | 8 | 98 | 98. | 98 | 98. | 0 | |
| | | 85.8 | * | | 97.4 | 30 | | 8 | 98.1 | 8 | 98 | 98. | .86 | 98. | | |
| 00
Al | | 85.8 | * | | | | . 8 | 8 | 98.7 | | 98. | 98 | 98 | 98. | 0 | |
| | | 85.8 | * | | | | | 8 | | 8 | .86 | 98. | 98. | 98. | 0 | |
| 8 | | 85.8 | | - | 6 | 8 | | | * | 8 | 98 | 98. | 98 | 98. | 0 | |
| | | 86.9 | 3 | | 0 | 0 | 6 | 0 | | 0 | 100 | 100 | 100 | 100. | 10 | |
| 007 | | 86.5 | 2 | | 0 | 6 | 6 | | | 0 | 100 | 100 | 100 | 100 | 2 | |
| | | 86.3 | 95.5 | 98.1 | 98.7 | 4.66 | 9.66 | | 100.0 | 1000 | 100.0 | 100.0 | 100 | 0100.0 | 100 | 0 |
| 1 200 | | 86.9 | 8 | | | 6 | .6 | • | | | 100. | 100 | 100 | 100. | 100 | |
| 9 7 | | 86.9 | 2 | 98.1 | | 6 | 4.66 | 100.0 | 100.0 | 1000 | 100.0 | 10000 | 100.0 | 010010 | 100 | |
| | | | | | | | | | | 1 | | | | - | | |

0

0

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

DCT NONTH

| CEILING | | | | | | | VISI | BILITY (ST. | VISIBILITY (STATUTE MILES | (5) | | | | | | |
|------------|-----|------|----------|------|---------|----------|------|-------------|---------------------------|--------|---------|------|---------|--------|------|-------|
| (FEET) | 5 | AI | S)
Al | 4 | e
Al | 7 2% | 7 | 71 72 | VI
Z | -
- | %
Al | * | Z
Al | ≥ 5/16 | AI | ٨١ |
| NO CEILING | 7. | 54.8 | 57.8 | 0 | 61.9 | 2 | 2 | | | | 63.2 | 63.2 | | 63.2 | | |
| > 20000 | 1. | 60.1 | 3 | | 1: | | 8 | | 8 | 8 | | | | | | |
| | . 1 | 6003 | 3. | .0 | 7. | 60 | 8 | 8 | 8. | 8 | | | | | | : |
| ≥ 16000 | . 1 | 6003 | 3 | | 1: |
60 | | | 8 | | | | | | | 69.2 |
| > 14000 | | | 3. | | - | 2 | * | 8 | 8 | 8 | | | | | | |
| ≥ 12000 | | 61.8 | 3 | | 6 | 0 | | | | 0 | | | | | | • |
| | | 65.1 | 0.69 | 72.3 | 73.5 | 73.9 | 74.4 | 74.5 | 14.0 | 905/ | | | 14.8 | 74.8 | 74.8 | 74.9 |
| 0006 AI | - | 65.4 | | 2 | 3 | * | | * | | | | | | | | 75.2 |
| 1 | • 1 | | 2 | | - | - | * | | | 8 | | | | | | 78.6 |
| 200 | • | 68.2 | 3 | 9 | - | | | | 6 | | | | | | | 79.3 |
| (| - | | 3 | - | | 00 | 6 | | 6 | 6 | | | | | | = |
| 2000 | - | 69.7 | ; | | 6 | 6 | 0 | 0 | 0 | 0 | | | | | | 81.1 |
| 1 | - | 70.0 | | 78.3 | 6 | 0 | 0 | - | - | | | | | | | : |
| 007 | | | | 81.0 | 2 | • | | 3 | * | | | | | | | 84.3 |
| 1 | • | 72.4 | 8 | 82.3 | 3 | * | 3 | 5 | 3 | 5 | | | | | | : |
| 3000 | • | 73.8 | 6 | 84.2 | 3 | . 9 | - | - | - | - | | | | | | 87.8 |
| | | 74.9 | - | 86.1 | 2 | 8 | | 6 | 6 | | | | | | | : |
| 7 2000 | | 76.6 | | 89.3 | - | 2. | | | | 3 | | | | | | 93.6 |
| 1 | | 76.8 | ; | | - | 2 | 2 | | 3 | 3 | | | | | | : |
| > 1500 | • | 77.3 | 3 | 0 | 2 | (4) | 3 | | 4 | ; | | | | | | 95.1 |
| | .1 | 77.7 | 5 | - | 3. | * | 80 | 0 | 5 | 3 | | | | | | 95.8 |
| ≥ 1000 | | 78.1 | • | | | 131 | 0 | 9 | .0 | 9 | | | | | | 97.2 |
| 2 900 | | 78.2 | 9 | 2. | * | 5 | 6.96 | | 2. | | | | | | | 97.6 |
| 00
A | • | 78.6 | • | 2 | 3 | | - | - | 1 | - | | | | | | 98.3 |
| | 7. | 78.6 | 9 | 2 | 3 | | - | | 8 | 0 | | | | | | 98.6 |
| 8 | • | | | | 3 | | - | | 8 | 8 | | | | | | 98.6 |
| | | | - | | 3 | | | | 8 | | | | | | | 99.3 |
| 004 | • | 78.8 | 87.2 | 93.3 | 3 | | 98.3 | | 6 | | | | | | 4.66 | 99.5 |
| | | 78.8 | 2 | | 9 | - | 8 | 6 | 6 | | 1.66 | | | | | 6.66 |
| 1 200 | | 78.8 | - | 3. | | - | 8 | 6 | 6 | | 1.66 | | | | | 66.66 |
| | 7. | 78.B | 87.2 | 93.3 | 9 | 97.1 | 98.4 | | 6 | | 1.66 | | 8.66 | | 8.66 | 66.66 |
| ٥ | • | 78.8 | 87.2 | 93.3 | 3 | 97.1 | 98.4 | | | | 1.66 | 400 | | | 6 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

1240

SMOS DIRNAVOCEANMET

0

MAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

93839

NON

00 HOURS (1 5 T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0 Al 16.0 90.7 92.7 66.7 0.07 N N 85.3 70.0 80.0 86.0 70.0 90.7 96.7 2 5/16 Al * 0.99 72.7 86.0 0.46 80.0 85.3 106 66. % AI 76.0 0699 70.0 70.0 90.7 66.7 66.7 VISIBILITY (STATUTE MILES) 0.99 94.0 70.0 71 77 0.99 90.7 7 7 86.0 92.7 70.07 66.0 89.3 ۸I 0.99 57.3 86.0 76.0 70.0 90.7 59.3 92. 1 2% .09 65.3 66.0 84.0 616 75.3 88.7 56.7 66.0 78.7 83.3 7.06 56.0 74.0 76. 68 νο ΑΙ 70.07 84.0 84.0 63.3 81.3 82.0 0.49 72.7 75.3 81.3 56.7 54.1 2 AI NO CEILING ≥ 20000 (FEET) VI VI 8000 0000 0000 12000 2000 2000 450 60 60 60 3000 2000 88 88 80 1800 1200 88 88 AI AI ALAI AI AI AI AI AI AI ALAI AIAI AI AI ALAI ALAI

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

03 HOURS (1.5.T.) NON

| PERCENTAGE FREQUENCY OF OCCURRENCE | (FROM HOURLY OBSERVATIONS) |
|------------------------------------|----------------------------|

| CEILING | | | | | | | VISI | BILITY (STA | VISIBILITY (STATUTE MILES) | (5) | | | | | | |
|------------|---|------|------|-------|------|--------|---------|-------------|----------------------------|---------|---------|------|------|--------|--------|---------|
| (FEET) | 2 | ۸I | S Al | AI AI | e Al | Y 21/4 | %
Al | ۲ کا
۱۳ | ×1 ×1 | Ā | X
Al | * 1 | Y. | ≥ 5/16 | N
N | o
Al |
| NO CEILING | | 46.0 | 48.7 | 48.7 | 49.3 | E-64 | 6 | 49.3 | 49.3 | E+64 | 6.67 | 6.64 | | 50.0 | | |
| N 2000 | | 48.0 | 50.7 | | 51,3 | 51.3 | | - | 51.3 | 51,3 | 51,3 | 51.3 | | • | | 52.0 |
| > 18000 | | 48.0 | 50.7 | | 51.3 | 51,3 | | - | 51.3 | 5103 | 51.3 | - | | 2 | 3 | |
| 00091 ₹ | | 48.0 | 50.7 | 50.7 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | | | 2. | 52.0 |
| 7 14000 | | 48.0 | 50.7 | | 51.3 | 51.3 | | - | 51.3 | 5103 | 51.3 | - | | 2 | | |
| ≥ 12000 | | 6.64 | 52.0 | | 52.7 | 52.7 | | 52.7 | 52.7 | 52:7 | 52.7 | 52.7 | | 3 | | 53.3 |
| | | 51.3 | 54.0 | 54.0 | 34.7 | 54.1 | | 54.7 | 54.7 | 54.7 | | 54.7 | | | 3 | |
| 0006 | | 51.3 | 54.0 | 54.0 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54,7 | 54.7 | : | 55.3 | 55.3 | 55.3 | 55.3 |
| | | 56.7 | 59.3 | 59.3 | 60.0 | 60.0 | | 0 | | 0000 | 0 | ò | 0 | | | |
| 7000 | | 58.0 | 60.7 | 60.7 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 6103 | : | 61.3 | | 62.0 | 62.0 | 62.0 |
| | | 58.0 | 50.7 | 60.7 | 61,3 | 61.3 | | - | - | 6103 | | - | | 3 | 2. | |
| 2000 | | 59.3 | 62.0 | 62.0 | 62.7 | 62.7 | | 2 | 62.7 | 62,7 | 2 | 5 | | | 63.3 | |
| | | 0.09 | 62.7 | | 3 | 63.3 | | 3 | 3 | 03.3 | 3 | 3 | * | * | | 0.49 |
| 4000 | | 63.3 | 66.0 | 0.99 | 67.3 | 67.3 | | - | 67.3 | 67.3 | | | 0.89 | 68.0 | 68.0 | 68.0 |
| | | 68.0 | 71.3 | 71.3 | 72.7 | 72.7 | | 72.7 | 72.1 | 72.7 | 72.7 | 72.7 | 73.3 | 73.3 | 73.3 | 73.3 |
| 3000 | | 70.7 | 74.0 | 74.0 | | | | • | | 76.0 | | 76.0 | 76.7 | 76.7 | 76.7 | 76.7 |
| | | 72.0 | 75.3 | 76.0 | 78.0 | 78.0 | 8 | 78.0 | | 78.0 | 78.0 | 78.0 | 78.7 | 78.7 | 78.7 | 78.7 |
| > 2000 | | 76.7 | 80.0 | | | | | - | | 83.3 | 3 | 9 | | 84.0 | | 84.0 |
| | | 76.7 | 80.0 | 80.7 | 83.3 | 83.3 | | | 83.3 | 63.3 | | 3 | 84.0 | * | 84.0 | |
| ≥ 1500 | | 77.3 | 81.3 | | 4 | 84.7 | : | ; | | F . + 2 | ; | 84.7 | | 85.3 | | 85.3 |
| | | 78.7 | 82.7 | 83.3 | 86.7 | 86.7 | | | 86.7 | 86.7 | | • 9 | 87.3 | 87.3 | 87.3 | 87.3 |
| ≥ 1000 | | 80.7 | 84.7 | | | 89.3 | 0 | 0.06 | | | 0 | • | 100 | 1006 | | |
| 006 | | 81.3 | 86.0 | | 106 | 91.3 | | 2. | 92.0 | 92.0 | | 92.0 | 92.7 | | | 92.7 |
| 008
Al | | 81.3 | 86.0 | 88.7 | | 93.3 | : | 0.46 | | • | ; | | | 94.7 | ; | 4.7 |
| | | 82.0 | 86.7 | 89.3 | | | | • | 95.3 | 95.3 | 95.3 | 95.3 | | | 0.96 | |
| 0
A1 | | 82.0 | 86.7 | 0.06 | 04.7 | 96.7 | 97.3 | 97.3 | | • | | - | 98.0 | 98.0 | 0.86 | 98.0 |
| | | 82.0 | 86.7 | 0 | 94.7 | | | 8 | | | 3 | 8 | | | | |
| 1 400 | | 82.0 | 86.7 | 90.0 | 94.7 | 96.7 | 00 | • | 98.0 | 8 | | 8 | 98.7 | 98.7 | 98.7 | 48.7 |
| 300 | | 82.0 | 86.7 | 90.0 | 1.76 | | | | 0.86 | 80 | | | | 98.7 | 48.7 | |
| 7 200 | | 82.0 | 86.7 | 0.06 | 94.7 | 96.7 | | | | 8 | 8 | 8 | | 99.3 | | |
| 8 | | 82.0 | 86.7 | 0.06 | 94.1 | 1.96 | 0.86 | 0.86 | 0.86 | 98.0 | 0.86 | 98.0 | 66.3 | | 66.66 | 99.3 |
| ٨١ | | 82.0 | 86.7 | 90.0 | 94.1 | 96.7 | | | 98.0 | • | • | 8 | 99.3 | 66.3 | 60.66 | 0000 |

0

TOTAL NUMBER OF OBSERVATIONS

150

= 0

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MENDIIS TENNESSEE

NOV

N N

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

69.3 69.3 81.3 51.3 80.7 7.46 66.7 7.56 81.3 ≥ 5/16 2 N 69.3 69.3 Al % Al 3 50.0 51.3 51.3 51.3 5 0 52.7 54.0 54.0 54.0 5 0 52.7 54.0 54.0 54.0 5 66.7 ٨١ VISIBILITY (STATUTE MILES) 87.3 91.3 72.7 ۲ ۲ 59.3 72.7 51.3 51.3 7 1% 58.0 0.06 0.98 20.0 ۲ ۸۱ 88 1 2% 88 N Al 56.0 78.0 83.3 68.7 7.07 86.0 85.0 ۸۱ 40.00 81.3 54.0 76.0 79.3 46. 52.7 62.0 76.7 80.7 46.7 46. 52. 54. 40. N Al 61.3 14.0 500 mm 68.0 72.3 45.0 63.3 64.7 74.0 58.7 46.0 68.7

72.7

TOTAL NUMBER OF OBSERVATIONS

150

SMOS DIRNAVOCEANMET

80

AI AI

88

AI AI

88

AI AI

88

ALAI

88

ALAI

120

AI AI

2000

AI AI

1800

AI AI

A

2 ٨١

CEILING (FEET)

NO CEILING

VI VI 0006 0006 0006

2000

AI AI

2000

ALAI

4500 4000 4000

ALAI

3000

AI AI

V 14 12000

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93839

MEMPHIS, TENNESSEE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST.) NON.

| CEILING | | | | | | | 2 | VISIBILITY (STATE) | | | | | | | | |
|-------------|-----|----------|------|------|------|------|------------|--------------------|------|------|---------|------|------|--------|---------|-----|
| (FEET) | 0 1 | 9 | \$ 1 | 4 | e Al | ≥ 2% | 1 2 | ¥1 ¥ | ¥1 ¥ | - | %
Al | * 1 | X XI | 5 5/16 | %
Al | AI |
| NO CEILING | | 44.0 | 5 | 6 | | 0 | 46. | 48 | 8 | 8 | | 48. | | .8 | | 48. |
| ≥ 20000 | | | 47.3 | | | | 64 | 50 | 0 | 0 | | 50. | | S | | 200 |
| | | | | 8 | 6 | 6 | 49. | 50. | 0 | ò | | 50. | | -05 | | 50. |
| > 16000 | | 46.0 | - | | | 6 | 40 | 50. | | 0 | | 20. | | 50. | | 50. |
| | | | - | | | 6 | 49. | 50. | 0 | 0 | | 50. | | 50. | | 50. |
| 12000 | | 47.3 | 6 | 0 | : | - | 51. | 52. | 2 | 3 | | 52. | | 52. | | 52. |
| | | | * | | 9 | | 56. | 57. | 1 | - | | 57. | | 57. | | |
| 000 | | 51.3 | 54.7 | 9 | | 0 | 56. | 58. | | 8 | | 58. | | 58. | | 58. |
| 1 | | | 8 | 0 | 0 | 0 | 600 | 62. | 2 | 2 | | 62. | | 62. | | |
| 141 | | | 6 | 0 | - | - | 010 | 62. | 3 | 2 | | 62. | | 62. | | 62. |
| 1 | | | 6 | 0 | - | - | 61. | 62. | 2 | 2. | | 62. | | 62. | | |
| 2000 | | 56.0 | 6 | | : | : | 61. | 62. | | 2 | | 62. | | 62. | | 62. |
| 1 | | | 0 | - | 2 | 2 | 62. | 63. | 9 | 3 | | 63. | | 63. | | 63. |
| 141 | | 59.3 | * | | | | 99 | 67. | 2 | - | | 67. | | 67. | | 67 |
| | | 60.7 | 5 | 9 | - | - | 67. | 68. | | | | 69 | | 69 | | 69 |
| 3000 | | 60.7 | ; | | 8 | 50 | 68. | 70. | 0 | ò | | 70. | | 70. | | 6 |
| 2 2500 | | 63.3 | | | 71.3 | - | 71. | 72. | N | 2 | | 73. | | - | | 73. |
| 2000 | | 64.0 | 6 | - | 2 | ~ | 72. | 74. | * | ; | | 74. | | 74. | | : |
| | | 0.49 | 6 | | 2. | 3 | 73. | 74. | | * | | 75. | | 75. | | 73. |
| 1500 | | | 0 | 2 | 3 | | 77. | 78. | 8 | 8 | | 79. | | 79. | | 6 |
| 1 | | 66.7 | 2 | ; | 1: | 00 | 79. | 80. | 0 | 0 | | 81. | | 81. | | 81. |
| 0001 | | 68.7 | | | 2 | * | 86. | 87. | - | - | | 88. | | 88. | | |
| | | 69.3 | | | 3 | 9 | 88. | 89. | 6 | | | 90. | | 06 | | |
| 00 8 | | 69.3 | | - | * | - | 89. | 90 | 0 | 0 | | 91. | | 91. | | |
| | | 69.3 | 8 | 0 | | 6 | 91. | 93. | 3 | 3 | | • 76 | | 94. | | |
| 8 | | 69.3 | | 2 | - | 0 | 92. | 94. | * | 3 | | 98. | | 95. | | |
| | | 69.3 | | 2 | - | - | 94. | 96. | | 0 | | .16 | | 97. | | |
| 004 AI | | 69.3 | 8 | 2 | - | - | 94. | 96 | | • | | 97. | | 97. | | |
| 300 | | 69.3 | 3 | 2 | | -1 | 94. | 96 | 96.7 | 97.3 | 98.7 | 98.7 | 98.1 | 98. | 99.3 | 99. |
| | | 69.3 | 8 | 2 | | - | 94. | .96 | 0 | - | | 98. | | 0 | • | |
| 8 | | | 78.0 | 82.7 | 87,3 | 91.3 | 0.96 | 196 | 96.1 | - | | | | 0 | | 90 |
| | | 200 | 2 | | | • | | | | | | | | • | | |

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

93839

73-77

1

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NON

12 HOURS (1.5.7.)

| | | | | | | | ISIA | VISIBILITY (STATUTE MILES) | TUTE MILE | 5 | | | | | | |
|-----------|---|---------|-----------|------|----------|------|------|----------------------------|-----------|---------|---------|-------|---------|---------|-------|------|
| (FEET) | | | | | | | | | | | | | | | | |
| | 2 | ۰
۸۱ | \$5
Al | 4 | es
Al | > 2% | 7 | ٧١ ٧٧ | ¥1 ¥1 | 71 | %
Al | * | Z
Al | ≥ 5/16 | × AI | ٨١ |
| O CEILING | | 44.0 | | 45.3 | | | 5. | | 5 | 5 | 45.3 | 3. | 45.3 | | 3 | 45. |
| ≥ 20000 | | | . 0 | 47.3 | | | | 47.3 | | £ 6 1 4 | 47.3 | | 47.3 | - | - | 47.3 |
| | | | | 47.3 | | | | | | 1. | 1 | 1. | | | 1 | 47.3 |
| ≥ 16000 | | 46.0 | ; | 47.3 | | | | | | - | - | - | | | - | 47.3 |
| | | | 6. | 47.3 | | - | | | | | | | | | | 4 |
| 7 12000 | | | 47.3 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48. |
| | | | 0 | 51.3 | - | - | - | - | - | - | - | - | | | - | 51. |
| 000 | | 50.7 | | 53.3 | | - | | 3 | | 3 | | 6 | | | | 53.3 |
| | | 56.0 | - | 58.7 | 58.7 | 8 | | | 58.7 | 58.7 | | 58.7 | 58.7 | | 8 | |
| 7000 | | 56.7 | 58.7 | | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 900 |
| 1 | | 56.7 | 58.7 | | 0 | c | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | |
| 2000 | | 59.3 | 61.3 | | 2 | 2 | - | 2 | | 2. | 2 | | | | 2. | |
| | | | 61.3 | | 3 | 2 | 2 | 2. | 2 | 20 | 2. | 2. | | 2 | 2. | 62. |
| 4000 | | | 0.49 | | | | is | 2 | 2 | 3 | 2 | 3 | | 5 | 3 | |
| | | 62.7 | 65.3 | | | | | 9 | | .0 | • | | | | | .99 |
| 3000 | | 0.99 | 68.7 | | 3 | 2. | 2 | 2 | 2 | 2 | 2 | 2. | | | 5. | 72.0 |
| | | | - | | 3 | 5 | 3 | 5 | 50 | 3 | 5 | 2 | | 2 | ŝ | 75.3 |
| 7 2000 | | 72.0 | 76.0 | | | | 6 | | 6 | • | | 6 | | | | 79.3 |
| | | - | | | 0 | 0 | 0 | 0 | 0 | 0 | ò | 0 | | 0 | 0 | 80. |
| 1500 | | 74. | 79.3 | | * | | : | * | | 4 | * | * | | | ; | |
| | • | 75.3 | 81.3 | | 9 | 9 | | | | 6 | • | | | .9 | | 86.0 |
| 1000 | | | 82.7 | | | | | 8 | | | | | | | 8 | 88. |
| | | 76.7 | 83.3 | | 8 | 20 | | | 8 | 8 | 00 | 8 | | 8 | 8 | 88.7 |
| 88 | | 76.7 | 83.3 | | 0 | c | | | | 0 | 0 | 0 | | | 0 | 90. |
| | | 76.7 | 83.3 | | - | - | - | 7 | - | - | - | - | | | : | _ |
| 8 | | 76.7 | 83.3 | | - | : | : | 92.0 | 2 | 2. | 2 | 3 | | 5 | 3 | 92.0 |
| | | 76.7 | 84.0 | 0 | 3. | | | | | 9 | 0 | • | | | | |
| 400 | | 76.7 | 84.0 | | 3 | | 3 | | | - | | | | | 8 | |
| | | | 84.0 | 0 | 3. | | | | | | | 086 | | 98.7 | | 98. |
| 700 | | 76.7 | 84.0 | 90.0 | | 3 | 2 | | | - | | 98.71 | 00.00 | | 0000 | 1001 |
| | | 76.7 | 84.0 | | 93.3 | | | 0.96 | | 8113 | 1.86 | 98.71 | 00.00 | 100.001 | 0000 | 100 |
| 0 | | 76.7 | 84.0 | | 93.3 | 93.3 | | 0.96 | | 61.6 | 98.7 | 98.7 | 00.00 | | 00001 | 1000 |

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

15 HOURS (1 S T)

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| | | m | | - | F | 2 | m | 3 | (4) | - | W | 3 | - | - | W | 3 | W | 3 | 0 | - | - | W | - | 3 | 0 | 0 | m | w | 0 | 0 | 0 | 0 | O |
|----------------------------|---------|------------|---------|-----|-------|-----|-------|-----|-----|-----|------|-----|------|------|------|------|------|------|------|------|----------|------|----|----|----|-----|-----|-----|-----|-----|----|----------|----|
| | Al | 5 | 0 | Š | 000 | 21. | - | 3 | 55. | 62. | 5 | 69 | ò | ò | 69 | 7 | E | 6 | 9 | 86 | 88 | 68 | | 93 | | į | 99 | | 8 | 8 | | | 8 |
| | | L | - | | | w. | | | | | 6 | | | | | 6 | | | | 2 | ~ | ~ | | 3 | | | - | | 0 | 0 | - | - | 3 |
| | 7 | : | : | | T | • | : | | | | | | | | | | | | | : | | 6 | | | : | Ĭ | | | | | 3 | | 3 |
| | ΛI | 4 | 2 | | | 0 | 5 | 5 | 5 | 9 | 0 | Ö | ŏ | 0 | ¢ | 11 | - | - | 6 | 8 | 8 | 3 | 6 | 0 | 0 | 5 | | 6 | | | ĕ | ĕ | ĕ |
| | 9 | 3 | - | | | | 1 | 3 | • | 1 | ~ | | | | | ~ | 50 | | 0 | - | | | - | 3 | 0 | 0 | 3 | 10 | 0 | 0 | | 0 | 0 |
| | 5/16 | 53 | 20 | 0 | 0 | 7 | - | - | | 25 | - | - | -0 | 0 | 3 | - | 17 | 0 | 86 | 90 | 8 | 68 | ~ | | \$ | 4 | | | | | 0 | 00 | 2 |
| | ۸I | | - | | | | | | | | | | | | | | | | | | | | | | - | | | | | - 1 | 3 | - | = |
| | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | • |
| | ΛI | | Š | | | ~ | | | 3 | 0 | • | 0 | ŏ | ø | 0 | - | - | - | œ | 80 | 8 | 80 | 0 | 0 | 0 | ò | 0 | 0 | 0 | 0 | | 0 | > |
| | • | .3 | | | | | 3 | | .3 | 1. | ~ | | | | | | | | | | | | | | 0 | | | | | c | | - | 5 |
| | ∦
Al | | 20 | 20 | | 2 | | | | | 63 | 69 | 99 | 99 | 69 | = | 17 | 6 | 86 | 98 | 88 | 80 | | 33 | 3 | 4 | - | - | 00 | 86 | | 86 | |
| | | | | | | | | | 0 | | 10 | | ~ | - | m | ~ | m | ch. | 0 | - | ~ | | | m | | | | | | - | - | M | |
| | * | | 0 | | 0 | - | - | 3 | 3. | | | •. | • | 9 | 6 | 1. | - | 6 | | | | 6 | | | | | | | | 8 | | | |
| | ΛI | | n | | | 2 | | 8 | | | • | | ō | 0 | 0 | - | - | - | 8 | Œ | 80 | | | 0 | | | | | | | | 0 | |
| | | | | - | - | 60 | 4 | 3 | | 1 . | 10 | 3 | - | - | | 3 | | | | | | | | 6 | | | | | 0 | | | 0 | |
| | Al | 43 | 20 | 20 | | 5 | 2 | 22 | 52 | 95 | 2 | 69 | 99 | 99 | 69 | - | - | 0 | c | 98 | 88 | 69 | 35 | m. | * | * | 3 | 6 | 30 | 86 | 8 | 0 0 | 2 |
| VISIBILITY (STATUTE MILES) | | | | | | | | | 10 | | | | | | | 1 | | 1 | | | | | - | | | | | | | 5 | | 5 | 5 |
| TE A | 7. | | 0 | | | - | : | 2 | | 2. | 2 | 2 | ; | | | | | | | | | | | | • | | | | | | • | 8 | |
| ATU | ΛI | | 5 | | 5 | ~ | 5 | 0 | 5 | 0 | 0 | 0 | ō | ō | 0 | - | - | - | 60 | 80 | 80 | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| (ST, | 4 | 60 | 1 | | | 3 | 3 | 4 | 30 | 1. | ~ | 3 | | | - | 10 | 10 | 10 | 0 | 1 | | | | 3 | | 0 | | | | 0 | 0 | 0 | 0 |
| LITY | 71 | | 20 | | | | | | 53 | | | | 99 | 99 | 69 | 11 | 11 | 13 | 86 | 86 | 88 | 68 | 92 | 66 | * | 3 | - | 16 | 86 | 86 | 86 | 86 | 9 |
| ISIB | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | - | | | 1 |
| > | ~ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 9 | | • | : |
| | ΑI | 4 | | 3 | 80 | 2 | r. | 5 | 30 | 0 | • | 9 | Ç | 9 | • | - | - | - | 0 | œ | 90 | 8 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 6 | 0 | 0 | |
| | 21% | | | | | | | | 307 | | | | | | | (4) | | | | | | 6 | | | | | 0 | | | 60) | | | • |
| | 7 | 4.5 | 20 | 50 | 50 | 51 | 2 | 53 | 53 | 29 | 63 | 6.5 | 99 | 99 | 69 | 17 | 11 | 52 | 86 | 86 | 88 | 68 | 92 | 6 | 93 | 03 | 76 | 9 5 | 9.5 | 93 | 95 | 0 | 5 |
| | | ~ | - | - | - | m | m | m | 7 | | | | 0 | | - | | - | - | (7) | | | - | | | - | - | ~ | | | | _1 | 0 | _ |
| | 6 | 5 | 0 | 0 | 0 | - | - | 2 | 2 | 2. | * | . 4 | 9 | 9 | 8 | 0 | 9 | 8 | 5 | • | 8 | 8, | 2. | 2. | 3 | 2 | 3 | | + | * | * | * | * |
| | ΛI | 3 | | 2 | | * | * | 80 | | • | £ | 9 | 9 | 0 | C | - | - | - | 80 | • | C | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 |
| | | 548 | | | | • | | | 10 | • | | . 1 | | | - | | | | 0 | | | | | | | | | | | 0. | | 0 | • |
| | Al | 45 | 50 | 50 | 50 | 21 | 2 | 53 | 53 | | 9 | | 99 | 99 | 68 | 20 | 73 | 2 | 84 | | 86 | 86 | 68 | 20 | 06 | 80 | 06 | 80 | 80 | 6 | 06 | 06 | 60 |
| | | 177 | - | - | - | 77 | | 77 | (4) | 0 | 0 | 0 | - | - | 175 | ici | 5 | 0 | - | 543 | - | 143 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 |
| | 40 | | 0 | | | | - | 3 | 3 | | * | | ; | * | - | | * | 0 | 3 | 3. | * | 3 | 8 | * | 8 | | * | 00 | | 8 | 8 | 00 0 | 20 |
| | ΛI | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | • | | | | | | | | | | | | | | | | | | | | | | | | - | | | | | | | | - |
| | ٨١ | 45 | 64 | 65 | 64 | 20 | 50 | 30 | 54 | 60 | 62 | 62 | 62 | 62 | 40 | 99 | 20 | 12 | 78 | 78 | 19 | 08 | 8 | 8 | 3 | 81 | 81 | 81 | 8 | 81 | 8 | 5 | 8 |
| | | | | | | | | | - | | | | | | | | - | | | | | | - | - | _ | - | - | - | - | - | - | | H |
| | 2 | | . • | • | • | | • | | | • | • | • | • | | • | | • | • | • | • | • | • | • | • | • | • | . • | • | • | • | • | • | • |
| | Al | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | ō | _ | | _ | | _ | _ | | | | | | | _ | _ | | | _ | | _ | _ | | _ | | _ | _ | _ | | _ | | _ | |
| CEILING | EET) | NO CEILING | ≥ 20000 | 800 | 16000 | 400 | 12000 | 000 | 8 | 800 | 2000 | 99 | 2000 | 4500 | 9004 | 3500 | 3000 | 2500 | 2000 | 1800 | 1500 | 1200 | 8 | 8 | 8 | 700 | 8 | 8 | 9 | 38 | 8 | 8, | 1 |
| E | _ | 0 | VI. | A | Ā | AI | Ž | | AI | | AI | | AI | | AI | 1 | M | | ΑI | | ۸ı | | AI | ۸ı | AI | ٨١ | ۸ı | AI | AI | AI | AI | AI. | ٨١ |
| | | Z | | _ | | _ | | | | _ | | _ | | | _ | L | | | | | | | | _ | | | | | | _ | | | |

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

TENNESSEE STATION NAME MEMPHIS

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS)

1.8 1. 5.7) NON

80.0 94.0 9000 98.0100.0100.0100.0100.0100.0100.0100.0 ٨١ 80.0 82.0 59.3 67.3 67.3 73.3 0.06 63.3 95.3 95.3 0.46 0.96 68.7 61.3 88.7 67.3 82.0 96.0 67.3 73.3 68.7 88.7 93.3 95.3 61.3 80.0 90.0 94.0 65.3 65.3 65.3 73.3 82.0 82.0 90.0 90.06 95.3 95.3 88. 67 67 75.3 73.3 80.0 88.7 67.3 59.3 6.7.0 6.7.0 6.0.0 6.0.0 80.0 82.0 87.3 0.46 95.3 73.3 90.0 65.3 0.96 88.7 61.3 61.3 67.0 73.3 80.0 67.3 75.3 90.0 0006 68,7 94.0 VISIBILITY (STATUTE MILES) 82.0 67.3 90.0 75.3 95.3 67.3 0.46 95.3 54.0 61,5 73.3 947.0 98.0 66.7 58.7 71 7 59.3 75.3 82.0 73.3 99.0 80.0 61.3 61.3 68.7 68.7 0.46 88.7 71 610 81.3 88.0 73.3 58.7 79.3 93.3 59.3 59.3 74.7 7 59.3 6103 58.7 59.3 67.3 73.3 92.0 93.3 67.3 78.7 93.3 65.3 67.3 86.0 80.7 87.3 88 93.3 94.6 92. 1 2% 88.0 86. 78.7 80. 85,3 65. W VI 68.0 78.0 54.0 87.3 74.0 80.0 91.3 58.0 58.0 58.7 58.7 84.7 91.3 60.7 66.7 91.3 60.7 72.7 .99 04. . 99 90. 58.0 88.0 66.0 67.3 78.0 88.0 66.0 76.7 83.3 88.0 88.0 38.0 86.0 88.0 999 90 84.7 58. 58. 64. N Al 58.0 68.0 69.3 24.0 78.0 79.3 79.3 19.3 55.3 56.0 62.0 19.3 55.3 63.3 72.7 19.3 19.3 79.3 26.0 63.3 63.3 76.7 64.1 ٨١ 2 NO CEILING (FEET) VI VI 00081 00081 12000 2000 2000 8 9 80 VI VI 000 000 000 000 4500 400 400 3000 88 88 88 5000 8 5 8 0 8 0 8 0 900 AI AI ALAI AI AI ALAI AI AI AI AI AI AI AI AI ALAI ALAI AI AI AI AI

TOTAL NUMBER OF OBSERVATIONS

150

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

21 NON

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING | | | | | | | VISIN | HLITY (STA | VISIBILITY (STATUTE MILES) | (S) | | | | | | |
|-----------|---|---------|-------|------|------|------|-------|------------|----------------------------|------|---------|------|------|--------|------|-------|
| (FEET) | 2 | ٥
٨١ | \$ AI | * | e Al | 1 2% | 1 2 | ¥1 Y | ¥1 VI | - AI | %
Al | * 11 | Z AI | ≥ 5/16 | × Al | 0 11 |
| O CEILING | | 53.3 | 53.3 | | 3 | 53.3 | 53.3 | 53.3 | 53.3 | | 3 | 53.3 | 3 | | - | |
| > 20000 | | 54.7 | 54.7 | 54.7 | | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | : | 54.7 | | 54.7 | 54.7 | 55.3 |
| | | 54.7 | 54.7 | | * | | | | 54.7 | 54.7 | ; | | | | : | |
| 2 16000 | | _ | | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 56.0 |
| | | - | | | 0 | | | 56.7 | 56.7 | 26.7 | 9 | | | 56.7 | 56.7 | |
| ≥ 12000 | | _ | | | 56.7 | | 56.7 | 56.7 | 56.7 | 26.7 | | | 56.7 | 56.7 | 56.7 | |
| | | - | | | | 58.7 | 58.7 | | | | 8 | | 58.7 | 58.7 | 58.7 | 59.3 |
| 000 | | - | | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 6 | 59.3 | 6 | 59.3 | 59.3 | 59.3 | 59.3 | 0.09 |
| | | | | | | 64.7 | 64.7 | * | 3 | | * | | | | C | |
| 7000 | | - | | 66.7 | 66.7 | 66.7 | 66.7 | | 66.7 | 1.90 | .0 | 1.99 | 66.7 | 66.7 | • | |
| i | | | 1 | | | .0 | | 0 | • | 1.00 | 9 | 66.7 | 0 | | 99 | |
| 2000 | | _ | | - | | - | - | - | | 67.3 | | 67.3 | | - | 67. | 68.0 |
| 1 | | - | 1 | 0 | 6 | 6 | 6 | 6 | | | | | 6 | | 69 | |
| 141 | | - | | O | | 70.0 | | | | 0 | | 70.0 | | | 70.0 | 70.7 |
| | | - | | N | 2 | 2 | 2. | 2. | 3 | 2. | | 2. | | | 2 | 73.3 |
| 3000 | | _ | | | - | - | : | - | - | - | | 77.3 | | | - | |
| 1 | | 76.7 | | 80.7 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 61.3 | 81.3 | | 81.3 | 81.3 | 81.3 | 82.0 |
| × 2000 | | - | | | • | 86.7 | . 0 | | ; | • | | • | | .9 | 86.7 | |
| | | 1 - | | | - | 88.0 | 8 | 8 | 8 | 8 | | 8 | | 8 | | 88.7 |
| 1500 | | - | | 88.1 | | 0 | 0 | | 0 | 0000 | | 0 | | | 90.0 | 400 |
| | | - | | | 2. | 94.0 | 3 | | 3 | 5 | | | | 4 | 0.40 | 4.1 |
| 1000 | | - | | 91.3 | 5 | 0.46 | | ; | * | | | : | | * | : | |
| | | - | | | | * | 4 | | | * | | | | 0.46 | 0.46 | 4.46 |
| 98
AI | | 84.7 | 90.0 | | 3 | 4.46 | * | + | * | * | | ; | | * | : | |
| | | 84.7 | 0.06 | 92.7 | * | 5 | - | 3. | 2 | 656 | | 95.3 | | 95.3 | • | 96.0 |
| 9 | | 84.7 | 90.0 | 92.7 | 4 | 5 | - | | 3 | 95.3 | | 95.3 | | 3 | 95.3 | |
| | | 84.7 | 90.0 | | * | 2 | 100 | 5 | 3 | 95.3 | | 3 | | 5 | | 0.96 |
| 400 | | 84.7 | 90.0 | | * | 9 | .0 | • | 0 | 0.96 | | 0.96 | | • | • | |
| 300 | | 84.7 | 91.3 | | | - | - | | 6.16 | - | | | | - | 97.3 | |
| | | 84.7 | 91.3 | 94.7 | 0 | 2 | | - | - | - | 8 | 98.7 | | | 98.7 | 99.3 |
| 8 | | 84.7 | 91.3 | 04.7 | | 97.3 | 97.3 | 96 | 98.0 | 98.0 | 66.3 | 99.3 | 66.3 | 99.3 | : | 100.0 |
| | | 24. | 91.5 | 94.1 | | - | 97.3 | • | 20 | 9 | - | 79.3 | | 99.3 | 99.5 | 0001 |

TOTAL NUMBER OF OBSERVATIONS

150

SMOS DIRNAVOCEANMET

93839 STATION

52.8

> 20000

Y Y 14000

2000

AI AI

4500 4000

800 7000

AI AI

2500

AI AI

1500

AI AI

1200

AI AI

88

AIAI

88

ALAI

88

3200

AI AI

(FEET)

٨١

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

TENNESSEE MEMPHISA

HOURS (1 S.T.

NON

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

65.6 52.8 57.1 63.5 63.5 63.5 63.6 63.6 92.3 92.4 83.8 83. 78.5 83.0 56.6 56.6 56.6 57.0 65.5 75.8 91.2 86.2 97.8 53.9 62.2 62.2 62.2 88.7 ٨١ 83.0 83.8 75.8 78.5 86.2 65.5 92.3 53.9 91.2 97°7 71.3 88. 83.8 86.2 ٨I 6.95 82.9 4.69 65.4 0.69 71.7 63.4 8.79 83.8 53.8 56.5 78.4 88.6 93.6 94.8 95.4 97.4 92.3 62.1 86.1 96.7 91.1 986.28 986.32 100.00 100.00 63.4 7 0.69 88.5 91.0 2.16 62.1 64.8 75.7 63.7 93.5 6.86 63.4 63.4 86.0 4.0 69.0 56.9 71.0 83.7 98.5 93.2 62.1 95.3 6.96 6.96 ¥1 ×1 50.00 78.3 71.6 56.9 63.4 62.1 63.4 86.0 88.5 65.4 83.7 92.2 7 2 56.2 34.0 61.8 77.9 83.0 88.1 90.0 93.6 4.49 650 87.8 77.8 85.3 6.46 63.0 92.3 94.0 52.2 52.8 63.0 65.0 83.1 90.0 93.6 56.1 64.3 82.3 91.1 92.9 56.5 61. 68.6 1 2% 56.1 64.9 68.5 74.9 84.8 93.0 71.0 89.3 56.5 91.4 90.3 ۸I 63.8 79.8 55.6 62.4 61.9 52.3 4.0 80.6 83.2 4.68 51.8 56.0 81.3 87.2 89.8 89.6 51.7 61.1 9.69 85.2 55.0 67.0 85.8 51.1 84.6 609 65.3 85.9 55.4 4.69 72.5 75.0 79.0 81.3 300 79.7 51.7 61. 61. Al 9.65 75.9 49.5 50.1 53.1 9.09 61.3 64.3 66.3 69.2 71.2 74.3 78.3 78.67 78.9 78.9 50.7 59.3 59.3 74.7 78.9 53.3 8 A 2 ٨ì NO CEILING

TOTAL NUMBER OF OBSERVATIONS

1200

SOWS DIRNAVOCEANMET

0

0

80

AI AI

88

VI VI

STATION NAMES STATION NAME

MENTHER SERVICE DETACHMENT, ASHEVILLE, NC

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

DEC

00 HOURS (1.5 T.)

| CEILING | | | | | | | VISIA | BILITY (ST. | VISIBILITY (STATUTE MILES) | ŝ | | | | | | |
|-------------|-------|------|-------|------|------|------|-------|-------------|----------------------------|--------|---------|------|------|--------|------|-----|
| (FEE) | 01 71 | ٨١ | \$ 41 | AI | e vi | 2 2% | 2 41 | ۲۱
۲۲ | 71 | -
- | %
AI | * | N N | 2 5/16 | N N | ٨١ |
| NO CEILING | | | 51,00 | 51.0 | 51,0 | 51.0 | 51,0 | 51.0 | 51.0 | 53.6 | 51.0 | 51.0 | 51,0 | 51.0 | 51.6 | 52. |
| A 1800 | | 50.2 | 30 | 0 20 | 2 6 | 0 00 | | | 3 6 | | | | 1 | 3 | 54.2 | 54 |
| 141 | | 52.0 | 54.2 | * | * | * | 4 | | | | * | | | * | * | 52 |
| > 14000 | | | * | 4 | 4 | 4 | ; | | * | | * | 4 | * | * | | 55. |
| ¥ 1200C | | | 2 | 5 | 2 | 5 | | 3 | 3 | | 'n | 5 | 3 | | | |
| | | | - | 00 | 00 | 00 | 80 | 8 | 8 | | 8 | 80 | | 80 | | 59. |
| 000 | | | - | 8 | 3 | | 00 | 8 | | | | | | 8 | | |
| 1 | | | 3 | | 3 | | 50 | | 3. | | 3 | 3 | 3 | 3 | | |
| 700 | | | 64.5 | 5 | 3 | | | 5 | 2 | | 2 | | 2 | 3 | | 67 |
| | | | * | 5 | 3 | - | | 5 | 3. | | 3 | 5 | 2 | 5 | | |
| 2000 | | | | 6 | 6 | 6 | 6 | 6 | | | 6 | 6 | 6 | 6 | | |
| | | | 8 | 6 | 6 | 6 | 6 | 6 | 6 | | 6 | 6 | 6 | 6 | | |
| 004 | | | 71.0 | - | - | - | 2 | 2 | 2. | | 3. | 2 | 3 | 2. | | |
| | | - | 3. | 4 | 4 | 3 | 3 | * | * | | | * | 3 | | | |
| 3000 | | - | * | 10 | 2 | 5 | | • | | | 6 | • | | | | |
| | | 72.9 | 6 | .0 | 9 | 9 | - | | - | | | - | - | - | | |
| 2000 | | - | 0 | 0 | 0 | 0 | - | : | - | | - | = | - | - | | |
| | | - | 0 | - | - | - | - | -: | - | | - | - | - | - | | |
| 1500 | | | | 2 | | N | - | | | | 6 | 3 | | | | |
| | | | 2. | 50 | 3 | 177 | 5 | 5 | 5 | | 2 | 5 | 2 | 5. | | |
| 001 | | | 85.2 | .9 | • | 9 | | | | | 6 | | 6 | 6 | | |
| | | 80.7 | .0 | - | - | - | 6 | 6 | 6 | | 0 | 0 | 0 | 0 | | |
| 00 8 | | 60.7 | 86.5 | 9 | 8 | | : | : | : | | 2 | 2 | 2 | 2 | | |
| | | | 87.1 | 6 | 6 | 6 | : | 2 | 2 | | 100 | - | | 3 | | |
| 8 | | - | 87.1 | | 6 | 0 | - | 2 | 2 | | * | ; | | * | | |
| | | 81.3 | 87.1 | 89.7 | - | - | | | * | | • | | 0 | | | 97. |
| VI
400 | | | 87.1 | | - | - | * | ; | * | | | • | - | - | | |
| | | | 87.1 | | 1. | 1. | 4 | 5 | 3 | | | - | 3 | 98.1 | 98.7 | 66 |
| 7 200 | | 1: | | | - | - | | 2 | 3 | 97.4 | 1. | | 8 | | | 99. |
| 90 | | 81.3 | 87.1 | 89.7 | ~ | 91.0 | | 2. | 5 | \$1.6 | | 4.16 | 98.7 | 98.7 | 4 | 100 |
| 1 | | • | 87.1 | | - | 91.0 | | 5 | 5 | | | - | 1.86 | | | |

0.

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST.) DEC

| CEILING | | | | | | | VISI | BILITY (ST. | VISIBILITY (STATUTE MILES) | ES) | | | | | | |
|------------|-----|---------|---------|------|------|------|------|-------------|----------------------------|------|---------|------|---------|--------|-------|------|
| (FEET) | 5 7 | ۰
۸۱ | ۶
۸۱ | 1 1 | K AI | > 2% | 1 2 | ۲۱
۲۷ | ¥1 Y | 1 | %
AI | * 1 | %
Al | ≥ 5/16 | NI NI | O AI |
| NO CEILING | | 51.6 | - | 2 | 2. | 52. | 2. | 2. | 2. | 2. | 2. | 2 | 2. | 2. | 2 | 52.3 |
| ≥ 20000 | | 53.6 | | * | | 54. | . 4 | . 4 | | | | | * | . 4 | | 54.8 |
| ≥ 18000 | | | 53.6 | 54.8 | 54.8 | 3 | 54.8 | 84.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 84.8 | 54.8 |
| N 16000 | | 53.6 | - | 4 | 4 | 54. | * | | 4. | * | 4. | | | 4. | ; | 5408 |
| > 14000 | | 53.6 | | * | * | 54. | | * | | + | * | 4 | 4 | 4 | ; | 4 |
| ≥ 12000 | | 54.8 | * | 56.1 | | 56. | .0 | | | • | 9 | | | .9 | • | 56.1 |
| ¥ 10000 | | 56.1 | 0 | | - | 57. | - | | | • | | | | | | 57.4 |
| 0006 AI | | 56.1 | 0 | 7 | 7. | 57. | 1. | 7 | 1 | - | - | 1. | - | - | - | |
| | | 59.4 | | 60.7 | 0 | .09 | | 0 | | • | • | | 0 | 0 | 60.7 | 60.7 |
| > 7000 | | 61.3 | - | 2 | 2. | 62. | 2. | 2. | 5. | 2. | 2. | 2. | 2. | 2. | 5. | 2 |
| | | 61.3 | - | 2. | 2. | 62. | 2. | 2. | • | 2. | 2. | 2. | 2. | 2. | 2. | 62.6 |
| 2000 | | 65.2 | 30 | | | .99 | | | | • | | ; | • | 9 | • | |
| 1 | | 65.2 | 1 | - | - | 67. | - | 1. | - | - | - | | | 1. | - | 67.1 |
| 141 | | 66.9 | 0 | | 8 | 89 | * | * | | 8 | 8 | | | | | |
| | | 70.3 | 0 | | 2. | 72. | 2. | 2 | 2. | 20 | 2. | 2 | 2. | 2. | 2. | 72.3 |
| 3000 | | 71.0 | - | 72.9 | 2 | 72. | 2 | 2 | 2 | 2. | 2 | 2. | 2 | 2. | 5 | |
| | | 72.3 | N | 74.8 | * | . 4L | . 4 | . 4 | 4 | . 4 | . 4 | . 4 | . 4 | 4 | 4 | 74.8 |
| 7 2000 | | 74.2 | 4 | 76.8 | .0 | 76. | | • | 9 | | ; | • | | . 9 | ; | 76.8 |
| 1800 | | 74.8 | 75.5 | 77.4 | - | 77. | 7. | 1. | 7. | | | - | | 7. | - | |
| 1500 | | 76.1 | | 80.0 | 0 | 80. | | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 80.7 |
| | | 76.1 | | 81.3 | 81.3 | 81. | | 1. | 1. | 1 . | 1: | 1. | - | 1. | : | 81.9 |
| V 1000 | | 78.7 | 81.3 | 84.5 | 3 | 87. | - | - | - | - | - | - | - | - | - | |
| 00
AI | | 78.7 | : | | .9 | 87. | - | - | - | - | - | - | - | - | - | 87.7 |
| | | 79.4 | - | | | 90. | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 79.4 | - | 87.7 | 6 | •16 | | 1: | - | - | - | - | - | - | - | 91.6 |
| 009 | | 79.4 | 82.6 | | | 92. | 2 | 2. | 2. | 5. | 2. | 5. | 2. | 2 | 2. | |
| | | 80.0 | 83.9 | | - | . 46 | * | | | 2 | 3. | 3 | 5. | | 3 | 95.3 |
| Y 400 | | 80.0 | 83.9 | | - | 94. | | 2 | 5 | 9 | .0 | | | | .9 | 96.8 |
| 7 300 | | 80.0 | 83.9 | 89.7 | - | . 76 | | 2. | 3 | • | • | 96.8 | | . 9 | ; | 96.8 |
| > 200 | | 80.0 | 83.9 | | - | 94. | 5 | 3 | 3 | 97.4 | - | - | 97.4 | | - | 97.4 |
| VI
80 | | 80.0 | 83.9 | 89.7 | 91.6 | 8.76 | | 5. | | 97.4 | 1. | 97.4 | 98.1 | 98.1 | 98.1 | 98.1 |
| ٥ | | 80.0 | 83.9 | 89.7 | | | 3 | 2 | 95.5 | 4016 | - | - | 1.86 | | | 000 |

30

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

06 HOURS (1.5.T.) DEC

| | AI | 51. | 31. | 51. | 51. | 53. | 56. | 57. | 39. | 59. | 89. | 51. | 62. | 65. | 68. | .69 | 72. | 16. | 77. | 79. | 83. | 85. | 86. | 87. | 89. | 92. | 93. | 96 | 97. | 98. | 66 | 3 |
|----------------------------|----------|------------|---------|--------|------|---------|---------|-----|-----|------|-----|------|-----|--------|-----|------|-----|--------|-----|--------|-----------|------|-----|-------|-----|-----|-----|-------|-----|-----|-------|----|
| | * | - 6 | 63 | .3 | 0. | • | 1. | 30 | 1. | . 7 | | 3 | • | 3 | . 7 | 0 | 60 | 7 | 30 | 1 | .2 | 5 | 80 | .1 | 4. | 9 | 6. | 7. | . 8 | 4 | 7: | 1 |
| | Al | 50 | 8 | 20 | 2 | * | | 2 | 3 | 80 | S | S | 9 | • | 9 | 0 | - | ~ | - | - | 8 | æ | 00 | 8 | 8 | 0 | 6 | 0 | 6 | 0 | 96 | ^ |
| | 5/16 | 50.3 | | | | • | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Al | - 10 | 1 | 3 | 0 | 0 | - | 2 | - | - | - | m | 0 | 5 | 1 | 0 | 1 | - | 0 | - | 2 | 10 | 8 | - | | | | | | | - 0.0 | |
| | VI % | 400 | 20 | 20 | 15 | 52 | 26 | 20 | 38 | 58 | 58 | 61 | 19 | 40 | 19 | 69 | 72 | 15 | 76 | 78 | 83 | 84 | 85 | 87 | 8 | 0 | 6 | 0 | 0 | 0 | | |
| | * | 0.3 | 0 | • | 1. | 5 | . 9 | • | . 8 | | 8 | - | - | * | - | 6 | 2. | | . 9 | 8 | 3. | • | 5. | | 8 | - | 2. | | . 9 | • | - | : |
| | | 450 | 3 | 3 | 0 | 2 | 2 | 5 | 5 / | 7 | 10 | 9 | 9 | 2 | 1 6 | 0 | 7 | 7 | 2 | 1 | 2 | S | 00 | 1 8 | 4 | 9 | 5 | 5 | 1 8 | 5 | 4 4 | - |
| | AI N | 50, | 0 | 0 | 7 | N | 0 | 0 | 8 | 00 | 00 | - | - | 4 | - | 0 | N | 0 | 0 | 8 | 3 | 4 | 5 | - | 8 | - | 2 | 0 | | 0 | - | -1 |
| | - | 7.0 | • | • | 1 . | 50 | • | • | . 8 | | 20 | - | - | * | | | 2 | 9 | . 9 | 8 | 3. | * | 2. | - | 8 | - | 2. | | • 9 | | - | - |
| (ILES) | | 400 | 2 | 3 | 0 | 3 | ST | 2 | 5 | 7 | 5 / | 9 | 0 | 9 | 9 1 | 4 | 9 | 2 | 1 | 1 7 | 0 | 0 | 8 7 | 3 | 1 8 | 3 | 9 | 2 | 6 7 | 2 | N 0 | • |
| TUTE | VI
7. | 50. | 0 | 0 | ~ | N | 0 | 0 | 8 | 0 | 0 | 0 | - | 3 | - | 3 | - | - | 0 | 8 | N | 3 | 5 | 0 | - | 0 | - | \$ | 4 | 3 | 46 | * |
| VISIBILITY (STATUTE MILES) | ž | 7.0 | | | • | | • | • | | | | | | • | | | | | | | | | | | | | | | • | | 0 | • |
| ISIBILIT | Al | 450 | 3 | 3 | 0 5 | 30 | 1 5 | 5 | 2 | 7 | 7 5 | 9 | 9 | 0 | 1 6 | 4 | 4 | 5 1 | 1 7 | 1 7 | 9 | 8 | 8 | 8 | 7 8 | 0 | 0 | 0 | 3 6 | 9 | 0 0 | 2 |
| > | N
N | 50. | 0 | 0 | - | N | 0 | -0 | 8 | 00 | 100 | 0 | - | 3 | - | 8 | - | 40 | -0 | 00 | N | (4) | 1 | 9 | - | 0 | - | N | N | N | 92. | N |
| | 21/2 | - C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 |
| | ΛI | 40 | 10 | S. | 2 | 30 | S | S | 5 | 2 | 2 | 9 | 9 | 0 | 9 7 | 0 | 7 | 7 | 7 | 7 | 20 | 20 | 8 | 8 | 8 | 8 | 9 | 6 9 | 6 9 | 0 | 0 0 | ^ |
| | δ
Al | 47. | 0 | 0 | 1. | 5 | | 9 | 8 | | 8 | 0 | - | 3. | 2 | 8 | - | 3 | • | - | - | 3 | * | 2 | 2 | 6 | 0 | | 1: | - | - | - |
| | - | - | | • | | | | • | | | | | | | | | | | | | | | | | | | | • | • | 3 | 3 | • |
| | ΛI | 147 | 5 | 5 | 30 | 10 | ~ | 3 | 5 | 10 | 2 | 9 | 0 | 9 | 0 | 9 | | - | - | - | 30 | æ | 20 | 80 | œ | 00 | œ | 8 | 30 | 00 | | Ø |
| | 49
Al | 47 | 6 | 6 | 3 | 5. | 5 | .0 | 8 | | 8 | 0 | 0 | | .0 | - | | * | * | 3 | 0 | : | 2. | 3 | 3. | ; | 5 | 3 | 3 | 3 | | 3 |
| | • | 5 | | - | | 4 | | • | | 70 | | - | | | 0. | | | | | 4 | - | | - | | | | - | 80 | | • | • | |
| | ΑI | 44 | 47 | 47 | 47 | 4 | 5 | 52 | 54 | 34 | 54 | 56 | 56 | 58 | 61 | 62 | 64 | 67 | 67 | 68 | 72 | 73 | 74. | 74 | 74 | 75. | 76 | 76. | 76 | 76 | 100 | 10 |
| | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 0 0 | 0 | | | | | | - | | 0 | | - | | | | 0 | | | | | | | | | | | | | - | 00 | + |
| CEILING | (FEET) | NO CEILING | 7 18000 | ≥ 1600 | 1400 | ≥ 12000 | ≥ 10000 | | | 7000 | 1 | 2000 | | × 4000 | | 3000 | | > 2000 | | ≥ 1500 | | 1000 | | 800 × | | 8 | | ₹ 400 | 300 | | 8 | |
| | | Ž | | | | | | | | | Ĺ | | | | | | | | | | | | | | | | | | | | | |

0

TOTAL NUMBER OF OBSERVATIONS

SMOS DIRNAVOCEANMET

93839 STATION

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

THE STATES THE STATES WANTE

93839 STATION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

00 HOURS (1.5.7.)

DEC

| THE TO SE 22 22 00 87 96 44 66 22 | 9 AI | VI W W W W W 4 4 4 4 4 4 4 4 W W W W W W | 2 4 3 0 3 0 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | | W W W W W W W W W W W W W W W W W W W | N | 2 mmmm 400400000000000000000000000000000 | 1 | | 1 | 1 | * * * * * * * * * * * * * * * * * * * | VI | VI W44444444 WWW WW W W W W W W W W W W W | VI W444444 W W W W W D O C C C C C C C C C C C C C C C C C C | VI W444444444 W W W W W W W W W W W W W W |
|-----------------------------------|------|--|---|----------------------|---------------------------------------|-------------|--|------|-------|------|-------|---------------------------------------|----|---|--|---|
| 8 8 8 8 | | 0000 | 400 | | 100 | | 000 | -00N | -0 DN | 0 | 96.56 | 0000 | | 929 | 0000 | |
| 88 89 | | 63.9 | 76.1 | 83.9
83.9
83.9 | | 00 00 00 00 | 0000 | 9999 | | 0000 | 98. | 0000 | | 9 9 9 9 9 | 0000 | |

10

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

73-

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

73-77

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DEC HOUTH

E

| | | | | | | | | - | | | | | | | | |
|------------|---|------|----------|------|------|------|-------|----------------------------|-----------|------|---------|------|---------|--------|------|-----|
| CEILING | | | | | | | VISIA | VISIBILITY (STATUTE MILES) | ATUTE MIL | ES) | | | | | | |
| (FEET) | 5 | 9 11 | S)
Al | 4 | e vi | > 2% | 7 2 | V1 7/2 | 71 71 71 | - AI | ¾
Al | * 1 | Z
Al | ≥ 5/16 | N NI | AI |
| NO CEILING | | 0 | 38.7 | | 6 | | 6 | | 6 | 6 | 39. | 39. | 39. | 39.4 | 6 | 39. |
| ≥ 20000 | | 41.9 | 3 | 45.2 | 3 | | | 45.2 | 3 | 45.2 | 45 | 45. | 45 | 45 | 3 | 45. |
| | | | | 5 | 3 | 5 | 5 | | 5 | 3 | 45. | 45. | 45. | 45. | 5 | 45. |
| 0009L < | | | 43.9 | 45.2 | 2 | | | | 3 | 45.2 | 45 | 45. | 45. | 45. | 3 | 45. |
| > 14000 | | | | | 5 | 5 | 5 | | 5 | 45.2 | 45. | 45. | 45 | 45. | 3 | 45. |
| 12000 | | | - | 45.2 | 45.2 | 45.2 | | | 45.2 | 45.2 | 45. | 45. | 45. | 45. | 45.2 | 45. |
| | | | | | - | - | | | - | 47.7 | 47. | 47. | 47. | 47. | - | 47. |
| 000 | | 44.9 | | 47.7 | | - | | | | 47.7 | 47. | 47. | 47. | 47. | 47.7 | 47. |
| 1 | | 48.4 | 50.3 | | | - | - | | 51.6 | - | 51, | 5 | 51. | 51. | - | 51. |
| 7000 | | | 0 | 51.6 | - | - | | - | - | 51.6 | 51. | 51. | 51, | 51. | 51.6 | 51. |
| | | | - | | 2 | 2. | 2 | 2 | 2 | 2 | 52. | 52. | 52. | 52. | 2 | 52. |
| 2000 | | | 3 | | - | | - | - | - | - | 57. | 57. | 57. | 57. | 57.4 | 57. |
| | | | - | | 6 | 6 | 6 | 6 | 6 | 6 | 59. | 59. | 59. | 59. | 6 | 59. |
| 141 | | 57.4 | | 2 | . 2 | 2 | 2 | 2 | 2 | 20 | 62. | 62. | 62. | 62. | 3 | 62. |
| 1 | | 58.1 | 60.7 | 63.2 | 63.2 | | | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | | 63.2 | |
| 3000 | | 61.3 | ; | - | - | - | - | 2 | | - | 67. | 67. | 67. | 67. | - | |
| 1 | | - | 70.3 | 2 | 2. | 2 | 2. | 2 | 2. | 2. | 72. | 72. | 72. | 72. | 2. | 72. |
| 7 2000 | | 0.09 | | | | .0 | | .0 | . 9 | | 76. | 76. | 76. | 76. | | |
| | | - | | 9 | - | - | : | 7 | - | - | 77. | 77. | 17. | 77. | : | |
| 1500 | | | | | | 0 | | 0 | | 0 | 80. | 80. | 80. | 80. | 0 | |
| | | | 8 | | 2. | 2 | - | | 3 | 9 | 83. | 83. | 83. | 83. | | |
| 1000 | | | | | * | * | . 5 | | 2 | 5 | 85 | 83. | 85. | 85. | 2 | |
| | | | 0 | | * | 3 | 5 | 5 | 3 | 3 | 85. | 85. | 85. | 85. | 3. | |
| 008 | | 76.1 | - | | 8 | | 0 | 0 | 0 | 0 | 90 | 90 | 06 | 900 | 0 | |
| | | 76.1 | | | 6 | 0 | - | -: | - | - | 91. | 91. | 91. | 91. | - | |
| 8 | | 76.8 | - | | 0 | - | 2 | 2 | 2 | 3 | 92. | 92. | 92. | 92. | 2 | |
| | | | 91.9 | 87.1 | - | | 2. | 2 | 2 | 2 | 92. | 92. | 92. | 92. | 92.9 | |
| 400 | | | 2 | | - | | | | * | * | 94. | 94. | 94. | 0 | ; | |
| | | | 2. | 88.4 | 2 | 3 | : | | 2 | 27.4 | | 80 | 98. | 0 | | 98. |
| 700 | | 76.8 | 82.0 | 88.4 | 92.3 | * | 94.8 | | | 97.4 | | 8 | 96 | 99.4 | 99.4 | 66 |
| | | | 82.6 | 88.4 | | 2.46 | 8.76 | 95.5 | 95.5 | 97.4 | 97.4 | 98.7 | 98.7 | 4.66 | | 66 |
| ٥ | | | 82.6 | | | | | 3 | 95.5 | 4070 | 97.4 | 98.7 | | | | |

3

3

TOTAL NUMBER OF OBSERVATIONS

155

A saddening

93839 STATION 57.4

56.1

58.7

52.9 52.9

53.6

52.9

50.3

47.7 50.3

56.1

56.1 50.1

53.6 54.8

200

AI AI

0.64

49.0

49.0

57.4

59.4

39.4

58.7

56.1

9000

ALAI

610

58.4

4500 4000

ALAI

0

63.0 69.0

63.9

60.7 63.9

3000

AI AI

0

2000

ALAI

1800

AI AI

0

69.0

79.4

78.97

72.9

81.9 80.7

80.7

69.7 90.3

36.2

78.7 75.5

1200

AI AI

0

88

ALAI

50.3

619

73.6

13.6

83.9

89.7

92.3

92.3

96.8

96.8

94.0

94.2

65.6

E • 06

36.2

78.7

86.5

79.4 79.4

88

AI AI

0

80

AI AI

0

88

AI AI

88

AI AI

0

80.7

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93839

MEMPHIS, TENNESSEE

15 HOURS (1 S T)

DEC

٨١

٨١

2 5/16

۸۱

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

ص ۱۸

٨I

N Al

2 AI

(FEET)

NO CEILING > 20000 VI VI 008 008 009 009

59.4 59.4 59.4 5 61.9 61.9 61.9 6 63.9 63.9 63.9 6 59.4 53.6 58.7 79.4 82.6 56.1 * 73.6 79.4 80.7 ٨١ 53.6 59.4 59.4 73.6 69.7 80.7 Ä 91.6 79.4 56.1 63.9 69.7 80.7 77 73.6 83.0 80.7 7 7 57.4 63.9 59.4 52.9 89.0 50.3 73.6 91.0 56.1 80.0 83.2 58.7 78.7 69.7 7 45.00 20.04 52.9 63.9 1 2% 56. 58.7

TOTAL NUMBER OF OBSERVATIONS

155

SOWS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

TENNESSEE STATION NAME MEMPHIS

93839

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

18 HOURS (LS T DEC

54.8 82.6 50.3 52.3 65.8 46. ٨١ 50.3 50.3 51.0 68.4 87.1 52.3 63.9 65.8 Al 4.89 4.89 51.0 52.3 82.6 62.6 74.2 63.9 65.8 2 5/16 65.8 4.89 63.9 1 Al 63.9 4.89 50.3 65.8 82.6 2.46 54.8 63.9 65.8 68.4 72.3 83.8 91.0 93.6 74.2 96.1 87.1 54.2 63.9 82.0 72.3 93.6 % Al 8.00 C 95.0 62.6 74.2 52.3 54.8 <u>-</u> VISIBILITY (STATUTE MILES) 51.0 74.2 7 7 62.6 62.6 96.5 87.1 91.0 91.0 92.9 93.0 93.6 94.2 54.8 71.0 65.8 4.89 63.9 65.8 7 62.6 51.0 4.89 85.8 91.6 54.2 54.8 65.8 72.9 81.9 84.5 89.7 90°3 91.0 92.3 92.3 E . 26 65.8 63.6 81.3 2 2% 62,6 71.6 80.7 89.0 54.2 84.8 65.8 65.8 90.3 68.4 85.2 89. W VI 65.2 50.3 54.3 61.9 89.0 63.2 63.2 65.2 71.0 80.0 8006 50.3 52.3 72.3 80.7 83.2 90.3 6006 84.5 90.3 89.7 Al 62.6 78.1 54.5 62.6 50.3 64.3 64.5 67.1 81.9 80. 49. ٨I 67.7 444 50.00 62.6 74.8 76.8 9.9 77.4 17.4 0.69 76.1 16.8 77.4 60.7 60.7 ٨١ 2 ۸۱ NO CEILING (FEET) VI VI 18000 16000 2000 2500 Y 1 400 00 00 00 00 00 8000 4500 4000 3200 1500 1200 88 88 88 AI AI ALAI AI AI ALAI ALAI ALAI AI AI ALAI AI AI AI AI AIAI

TOTAL NUMBER OF OBSERVATIONS

92.3

90.3

80

ALAI

88

AIAI

90.2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21 HOURS (L S T) DEC

| | 0 A | 4.6 54.8 54.8 54.8 54.8 5 | 6.8 56.8 56.8 56.8 56.8 | 6.8 56.8 56.8 56.8 56.8 5 | 6.8 56.8 56.8 56.8 56.8 5 | 6.8 56.8 56.8 56.8 56.8 | 8.1 58.1 58.1 58.1 58.1 5 | 1.3 61.3 61.3 61.3 61.3 6 | 1,3 61.3 61,3 61.3 61.3 6 | 5.8 65.8 65.8 6 | 6.5 66.5 66.5 66.5 66.5 6 | 8.4 68.4 68.4 68.4 68.4 6 | 0.3 70.3 70.3 70.3 70.3 7 | 7 6.3 70.3 70.3 70.3 70.3 7 | 1.6 71.6 71.6 71.6 71.6 7 | 4.8 74.8 74.8 74.8 74.8 7 | 7.4 77.4 77.4 77.4 77.4 7 | 80.080.080.080.080.0 | 3.9 83.9 83.9 83.9 83.9 8 | 5.2 85.2 85.2 85.2 85.2 | 5.2 85.2 85.2 85.2 85.2 8 | 8.4 88.4 88.4 88.4 88.4 8 | 0.3 90.3 90.3 90.3 90.3 9 | 0.3 90.3 90.3 90.3 90.3 | 1.0 91.0 91.0 91.0 91.0 9 | 2.3 92.3 92.3 92.3 92.3 9 | 4.2 94.2 94.2 94.2 94.2 | 4.8 94.8 95.5 95.5 95.5 9 | 6.8 96.8 97.4 97.4 97.4 | \$ 66 5°66 | 8.7 98.7100.0100.010 | 8.7 98.7100.0100.0100. | 8.7 98.7100.0100.0100.01 |
|---------------------|---------|---------------------------|-------------------------|---------------------------|---------------------------|-------------------------|---------------------------|---------------------------|---------------------------|-----------------|---------------------------|---------------------------|---------------------------|-----------------------------|---------------------------|---------------------------|---------------------------|----------------------|---------------------------|-------------------------|---------------------------|---------------------------|---------------------------|-------------------------|---------------------------|---------------------------|-------------------------|---------------------------|-------------------------|------------|----------------------|------------------------|--------------------------|
| TE MILES) | VI VI | 4.8 54. | 6.8 56. | 6.8 36. | 6.8 56. | 6.0 56. | 8.1 58. | 1.3 61. | 1.3 61: | 5.8 | 6.5 66, | 8.4 68 | 0.3 70. | 0.3 70. | 1.0 71, | 4.8 74. | 7.4 77. | 0.0 80. | 3.9 839 | 5.2 85 | 5.2 85. | 8.4 88. | 0.3 90. | 06 € 0 | 1.0 91, | 2.3 92. | 4.2 94. | 4.8 94. | 6.8 9 | 8.1 98. | 8.1.9 | 8.19 | 8.1 9 |
| VISIBILITY (STATUTE | Y1 | 4.8 5 | 6.8 5 | 6.8 5 | 6.8 5 | 6.8 5 | 8.1 5 | 1.3 6 | 1.3 6 | 5.8 6 | 6.5 6 | 8.4 6 | 0.3 7 | 0.3 7 | 1.6 7 | 4.8 7 | 7.47 | 0.0 | 3.9 8 | 5.2 8 | 5.2 8 | 8.4.8 | 0.3 9 | 6 E 0 | 1.0 9 | 2.3 9 | 4.2 9 | 6 8 4 | 6.8 9 | 98.1 9 | 8.19 | 6 | .19 |
| VIS | N N | 4 | | 9 | | .9 | | - | - | 5 | | 8. | | ċ | : | 4 | : | 0 | 3 | 5 | 3 | | 0 | 0 | - | 2. | * | * | | 98.1 | 8 | 98.1 | 98.1 |
| | 2 2% | 54. | 56. | 56. | 56. | 56. | 53 | 61. | 61. | 65. | 66. | 68. | 70. | 70. | 71. | 74. | 77. | 80. | 83. | 85. | 85 | 88 | 90. | 90. | .06 | 91. | 93. | 93. | . 76 | 1.96 | 96 | 6 | 96.1 |
| | E AI | 54. | 56. | 56. | 56. | 56. | 58. | 61. | 61. | 65. | 66. | 68. | 70. | 70. | 71. | 74. | 77. | 80. | 83. | 85. | 85. | 88. | 89. | 89. | 89. | 91. | 92. | 92. | 94. | 65.5 | 95. | .56 | 95.5 |
| | AI AI | 4 | 56.8 | 9 | | 9 | | - | | 5 | | 8. | 0 | 0 | - | . 4 | - | 0 | 3. | 5 | 5 | 8 | 6 | 6 | | ċ | - | - | 2 | 92.3 | 2 | 3 | |
| | N AI | | | | | | | | | 64.5 | | 1. | | 6 | 0 | 2 | 5 | 8 | : | • | - | 5. | | | | | | | | 87.7 | 87.7 | 87.7 | 87.7 |
| | 9
AI | - | 52.9 | | 52.9 | 52.9 | 54.3 | 57.4 | 57.4 | 61.9 | 62.6 | 64.9 | 66.3 | 66.5 | 67.7 | 69.7 | 72.3 | 74.8 | 78.1 | 78.1 | 78.1 | 81.3 | 82.6 | 82.6 | 82.6 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 |
| | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CEILING | (FEET) | NO CEILING | > 20000 | | ≥ 16000 | | > 12000 | | 0006 AI | 1 | N 1000 | | 2000 | | 4000 | | 3000 | | 2000 | V 1800 | | | V 1000 | | 00
AI | | 8 | | VI 400 | 2 300 | > 200 | 92
20 | ١٧ ٥ |

DIRNAVOCEANMET SMOS

155

TOTAL NUMBER OF OBSERVATIONS

0

0 1

0

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

=

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| 5 | 9 11 | 40
Al | 4 | e Al | > 2% | 7 | ۷۱
۶ | YI
%1 | Ä | %
Al | * | Z AI | ≥ 5/16 | × × | ٨١ |
|---|------|----------|------|------|------|------|---------|----------|------|---------|------|------|--------|------|-----|
| | 43.6 | 45.5 | 9 | 0 | 9 | 0 | 0 | 9 | 0 | 0 | | | 9 | | 0 |
| | 47.4 | | 0 | 0 | 0 | 0 | 0 | 0 | ô | 0 | | | 0 | | 0 |
| | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0 | | 0 |
| | 47.5 | | 50.3 | 0 | 0 | | | 0 | 0 | 0 | | | 0 | | 20 |
| | | | 0 | 0 | 0 | ċ | 0 | 0 | 0 | 0 | | | 0 | | - |
| | 48.6 | | - | - | - | : | - | - | - | - | | | - | | 2 |
| | 51.1 | | | 3 | 4 | . 4 | | 4 | 4 | | | | * | | 4 |
| | 51.4 | | 4 | | 4 | . 3 | | * | * | | | | * | | - |
| | 55.2 | - | 6 | 6 | 0 | 0 | 6 | 6 | 6 | 6 | | | 6 | | 0 |
| | | | 6 | | 0 | 0 | 0 | 0 | 0 | | | | 0 | | 9 |
| T | | 6 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0 | | 61. |
| | 59.1 | | | 10 | 6 | | 6 | - | 3 | (9) | | | - | | 63 |
| T | | | | 20 | 2.5 | 1 | 3 | 3 | | * | | | 4 | | 99 |
| | 61.7 | 3 | 9 | | | 3 | | 9 | . 0 | | | | 9 | | 99 |
| T | 63.5 | 0 | 68.2 | 68.5 | 68.8 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.8 | 69 |
| | 65.7 | 6 | 0 | .: | - | | - | - | - | | | | - | | 7 |
| | | | 3 | 3 | * | 3 | 3 | * | 5 | : | | | * | | * |
| | 71.5 | | 7. | | 0 | | | | 8 | | | | | | 4 |
| | | | | 6 | 0 | 6 | 6 | 6 | 6 | 6 | | | 6 | | 79. |
| | | | 0 | | - | | - | - | - | : | | | - | | 82. |
| T | 74.6 | | 2 | 3 | | - | | * | 3 | * | | | * | | 84 |
| | 76.0 | | | | 9 | - | - | - | - | - | | | - | | 87 |
| | | 2. | .0 | .0 | 7 | 60 | | 8 | 80 | 8 | | | 8 | | 88 |
| | 76.7 | | | | | | 0 | 0 | 0 | 0 | | | 0 | | 6 |
| | 76.9 | | - | 6 | 6 | 0 | - | - | - | - | | | - | | 91. |
| | 77.0 | | | | - | | 2 | 2 | 3 | * | | | | | 66 |
| 1 | 77.3 | * | 8 | : | - | | 3 | 3 | * | * | | | * | | 95 |
| | 77.3 | 84.4 | 6 | : | ~ | . 3 | 3 | | • | | | | 9 | | 96 |
| | 77.3 | 84.4 | 6 | | ~ | | 2 | 5 | | - | | | | | 98 |
| | 77.3 | * | 6 | - | 2 | | | | - | - | | | 8 | | 66 |
| | 77.3 | 84.4 | 6 | - | 2. | 4 | 5 | 3 | - | 2 | | | 8. | | 66 |
| | * | 7 70 | 0 | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

1240

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MEMPHIS, TENNESSEE

PERCENTAGE FREQUENCY OF OCCURRENCE

0 11

(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

2 Al

(FEET)

NO CEILING ≥ 20000

VI VI 00081 00081

V IV

VI VI

2000

9000

AI AI

4500

AI AI

3000

AI AI

2000

ALAI

1500

AI AI

1200

88

ALAI

88

AI AI

8 8

87.9 88.4 91.8 97.3 72.3 77.4 82.6 62.6 61.5 67.5 12.8 74.3 4.9 16.4 84.9 61.3 90.2 93.9 ٧I 71.3 90.96 95.8 88.4 87.9 87.9 72.8 74.8 29.0 91.7 61.5 4.2 82.6 84.8 84.8 1.06 2 5/16 2 N 78.9 90.0 77.3 82.5 88.3 88.3 91.6 91.7 93.8 74.1 72. 95. * 0.06 4.96 ۲ ا۸ 70.9 71.1 69.0 98.6 88.1 91.2 91.5 6.96 93.6 74.0 78.0 61.1 82.2 ¥1 × 78.6 62.4 62.7 91.2 71.8 7 1% 81.8 4699 71.0 91.8 92.8 70.7 84.1 7 86.8 70.1 60.1 2 2% 90.0 0.09 86,0 70.5 75.4 86.5 58.8 5.89 78.6 83.8 80.6 88.0 7.68 83.3 ٨١ 84.0 55.8 55.9 65.1 67.6 71.8 76.6 83.0 83.4 84.2 84.4 84.6 61.3 65.6 68.2 79.5 80.B 83.9 70.4 79.1 84.7 ٨١ 75.4 76.1 61.3 62.4 74.4 76.0 76.3 51.9 60.1 62.4 65.0 68.3 76.3 51.3 72.2 76.3 72.4 52.1 60.0 64.7 76.3 56.7 76.37 ۸۱

TOTAL NUMBER OF OBSERVATIONS

14605

80

AI AI

STATION MEMPHIS, TENNESSEE

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| TOTAL | 088. | 155 | 155 | 155 | 155 | 155 | 155 | 155 | 155 | | | | 1240 |
|---|-----------|------|------|------|------|------|------|------|------|-------|---|---|--------|
| MEAN | SKY COVER | 5.3 | 5.6 | 5.6 | 6.5 | 6.9 | 6.8 | 0.0 | 5.3 | | | | 0.9 |
| | 01 | 42.6 | 48.4 | 43.0 | 46.5 | 49.7 | 46.5 | 43.2 | 39.4 | | | | 65.0 |
| | ٥ | 3.9 | | 1.3 | 7.1 | 3.9 | 7.1 | 3.2 | 3.2 | | | | 3.7 |
| | 80 | 2.6 | 3,2 | 5,5 | 5,8 | 4, | 4.8 | 2.6 | 3.9 | | | | 0.5 |
| KY COVER | 7 | 0. | 2.0 | 1.9 | 9.2 | 4.0 | 0. | 4.0 | 2.0 | | | | 2 |
| PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | • | 1.9 | | 143 | | 2.6 | 143 | 3.2 | 2.6 | | | | 4 |
| OF TENTHS | 80 | 1.9 | 103 | 1.3 | 4.5 | 1.3 | 2.6 | 3.9 | 1.9 | | | | 6 |
| FREQUENCY | • | 2.6 | 1:3 | 4.5 | 3.9 | 1:9 | 1:9 | 1,3 | . 0 | | | | . 6 |
| ERCENTAGE | 6 | 2.6 | 3.9 | 3.2 | 1:3 | 5.2 | 8.8 | 4.5 | 5.8 | | | , | 0.4 |
| | 2 | 1:9 | 3.0 | 5.8 | 5,2 | 3.2 | 3.2 | 2.6 | 4.5 | 4. 10 | | | 9 |
| | - | 20 | 6.1 | 1.9 | 5.8 | 6.5 | W 0 | 10.3 | 1.9 | - | | | - |
| | • | 33,5 | 33.5 | 29.7 | 17.4 | 12.9 | 12.9 | 18:7 | 33,5 | | | | 0.46 |
| HOURS | (LS.Y.) | 00 | 03 | 90 | 60 | 77 | 15 | 18 | 21 | | 1 | | S1 |
| MONTH | | JAN | | | | | | | | | | | TOTALS |

0

0

0

0

0

Q

0

0

0

MEMPHIS, TENNESSEE 93839 STATION

73-77

FER

| | HOURS | | | | PERCENTAG | E FREQUENC | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | OF TOTAL | SKY COVER | | | | MEAN | TOTAL |
|-------|----------|------|-----|-----|-----------|------------|---|----------|-----------|-----|-----|-------|-----------|-------|
| MONTH | (L.S.T.) | 0 | 1 | 2 | 8 | 4 | 3 | 9 | 1 | 80 | 6 | 10 | SKY COVER | ogs. |
| FEB | 00 | 34,8 | 2.8 | 4.3 | 7.8 | 2.1 | 201 | 7. | 8.8 | 3,5 | 3.5 | 35.5 | 6.4 | 3 |
| | 03 | 34.8 | | 7.1 | 6.3 | 2,8 | 201 | 7. | 1 | 4:3 | 2.1 | 40.4 | 3.2 | 141 |
| | 90 | 26.2 | 5.0 | 5.0 | 5.0 | 3.5 | 201 | 4.3 | 4.4 | 7. | 2.8 | 44.0 | 5.6 | 161 |
| | 60 | 19.9 | 6.4 | 2.8 | 3,5 | 7. | 104 | 4.3 | 4 | 2.8 | 7.1 | 46.8 | 4.0 | 141 |
| | 12 | 18.4 | 5.7 | 4.9 | 5.0 | . 7 | 104 | .7 | 5.7 | 4.3 | 5.0 | 46.8 | 6.3 | 14 |
| | 15 | 6,61 | 1.4 | 5.7 | 5.7 | 2.8 | 2.8 | 2.8 | 2.1 | 5.7 | 9.5 | 41.8 | 6.3 | 14 |
| | 12 | 17.0 | 7.8 | 3.5 | 3.5 | 4.3 | 201 | . 7 | 7.8 | 7.1 | 4.0 | 39.7 | 6.2 | 141 |
| | 12 | 31.9 | 1.4 | 4.0 | 5.0 | 5.7 | 4.3 | 2.1 | 4.3 | 5.7 | 2.1 | 31.2 | 4.9 | 141 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| Ď | TOTALS | 78. | 0.4 | | 5.0 | 8,0 | 2.3 | 0.0 | 3.6 | 4.3 | 8.4 | 80.04 | 5.7 | 1128 |

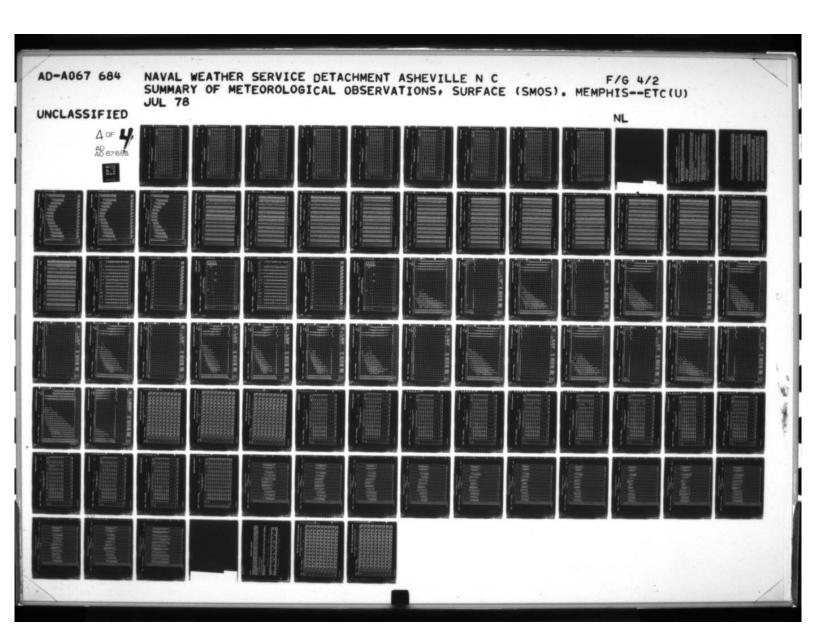
SATIST MEMPHIS, TENNESSEE

| PER | 1 | PERCENTAGE | 1 | FREQUENC | Y OF TENTHS | OF TOTAL | SKY COVER | | | | MEAN
TENTHS OF | TOTAL
NO. OF |
|-----|-----|------------|-----|----------|-------------|----------|-----------|------|----------|------|-------------------|-----------------|
| | - | 2 | | • | 40 | 9 | _ | œ | • | 2 | SKY COVER | OBS. |
| | 2.6 | 4.5 | 5.2 | 5.2 | 3.2 | 2.6 | 2.0 | 3.2 | 1.3 | 44.5 | 5.6 | 15 |
| | 2.6 | 6 | 4.5 | 1.9 | 6.1 | 1.9 | 7.7 | 5.2 | 4.5 | 43.2 | 6.2 | 15 |
| | 5.2 | 5.2 | 5.2 | | 2.6 | 3.2 | 3.0 | 7.7 | 7.7 | 44.5 | 9.9 | 15 |
| | 5.2 | 2.6 | 3,2 | 3.2 | 1.9 | 2.6 | 2.5 | 7.7 | 7,1 | 47.1 | 6.0 | 13: |
| | 2.6 | 8.4 | 3,9 | 9. | 2.6 | 2.6 | 6.5 | 11.0 | 9.7 | 40.6 | 6.9 | 15 |
| | 80 | 10,3 | 1.9 | 1.9 | 5.2 | 3.2 | 3.5 | 9.6 | 9.0 12.3 | 39.4 | 6.8 | 13 |
| | 2.6 | 3.2 | 3.9 | 1.9 | 2.6 | 1.9 | 6.0 | 4, | 12,3 | 45.2 | 7.3 | 15: |
| | 3.9 | 3.9 | 9.0 | 2.6 | 2.6 | 1.9 | 9.2 | 2.6 | 3,2 | 47.7 | 6.2 | 15 |
| | | | | | | | | | | 6- | | |
| | | | | | | | | | | | | |
| 11 | | · u | .4 | | | | 0.6 | 0,4 | 7.3 | 0.44 | 4.4 | 1961 |

MEMPHIS, TENNESSEE 93839 STATION

73-77

| TOTAL | 088. | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | | | 1200 |
|---|-----------|------|------|------|------|------|------|-------|------|--|--|--------|
| MEAN | SKY COVER | 8.4 | 4.7 | 0.0 | 0.9 | 6.2 | 6.3 | 6.1 | 5,1 | | | 5.7 |
| | 10 | 30.0 | 31.3 | 30.0 | 37.3 | 40.0 | 34.7 | 35.3 | 30.7 | | | 33.7 |
| | ٥ | 0.0 | | 0.9 | 0.8 | 4.0 | 0.4 | 8.0 | 0.4 | | | 5.3 |
| | 8 | 0.0 | 4.7 | 15.3 | 5.3 | 7.3 | 12.0 | 10.01 | 5.3 | | | 8,2 |
| KY COVER | 7 | 2.0 | 0.4 | 4.7 | 0.4 | 1.0 | 4.7 | 0.4 | 4.7 | | | 4. |
| OF TOTAL S | 9 | 4.7 | 3.3 | 2.0 | 4.7 | 4.7 | 0.0 | 1.3 | 0.4 | | | 60 |
| OF TENTHS | 5 | 3.3 | 4.7 | 9.0 | 3.3 | 2.7 | 5.3 | 3.3 | 4.7 | | | 3.9 |
| FREQUENCY | 4 | 7. | 3.3 | 2.0 | 2.7 | 3.3 | 0.4 | 5.3 | 3.3 | | | |
| PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | 3 | 2.0 | 6.7 | 6.7 | 4.0 | 4.0 | 7.3 | 7.3 | 2.7 | | | 3,1 |
| - | 2 | 4.0 | 6.7 | 2.7 | 0.9 | 4.7 | 4.0 | 4.0 | 8.0 | | | 5,0 |
| | 1 | 4.0 | 2.7 | 8.0 | 0.9 | 3.3 | 5.3 | 5.3 | 0.4 | | | 8 4 |
| | 0 | 37.3 | 32.7 | 16.7 | 18.7 | 19.3 | 12.7 | 16.0 | 28.7 | | | 22.8 |
| HOURS | (L.S.T.) | 00 | 03 | 90 | 60 | 12 | 15 | 100 | 21 | | | ST |
| n in Con | E NOW | APR | | | | | | | | | | TOTALS |



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MICROCOPY RESOLUTION TEST CHART NATIONAL BUREAU OF STANDARDS-1963-1 GABAS MEMPHIS, TENNESSEE

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| HOURS | | | | PERCENTAGE | E FREQUENCY | Y OF TENTHS | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | SKY COVER | | | | MEAN | TOTAL |
|-------|------|------|-----|------------|-------------|-------------|---|-----------|------|------|------|-----------|--------------|
| | | - | 2 | 6 | + | S | 9 | 7 | 80 | ٥ | 0 | SKY COVER | 0.08
0.08 |
| ~ | 25.8 | 2.6 | 7.1 | 1.7 | 3.2 | 2.6 | 4.5 | 7.1 | 7.1 | 3.2 | 29.0 | 5.2 | 155 |
| = | 30,3 | 2.6 | 5.8 | 4.5 | 3.9 | 6.5 | 5.2 | 2.6 | 3.9 | 4.5 | 30.3 | 5.0 | 155 |
| - | 1.4 | 12.9 | 4.5 | 8.8 | 2.6 | 2.6 | 2.6 | 9.0 | 3.9 | 6.5 | 33.5 | 5.7 | 155 |
| | 7.4 | 7.1 | 5.8 | 3.9 | 4.5 | 9. | 20 | 4.5 | 5.8 | 7.1 | 38.7 | 6.2 | 155 |
| | 1.7 | 4.5 | 6.5 | 9.0 | 5:2 | 5.8 | 5.2 | 4.0 | 11:0 | 6.5 | 32.3 | 6.5 | 155 |
| | 1:1 | 5.2 | 3.9 | 6.5 | 3.9 | 7.7 | 7.1 | 7.6 | 9.0 | 12.9 | 26.5 | 6.5 | 155 |
| | 0.7 | 7.1 | 7.7 | 1.1 | 3.9 | 4.5 | 2.6 | 6.0 | 11:0 | 9.0 | 30.3 | 6.2 | 155 |
| | 18.1 | 7.1 | 8.4 | 5.8 | 5.2 | 103 | | 6.0 | 9.7 | 4.5 | 29.0 | 5.5 | 155 |
| | | | | | | | | | | | | | |
| | | | A | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | 4.4 | 6.1 | 0.0 | 6.3 | 4:1 | 0.4 | 4.7 | 9.0 | 7.8 | 6.9 | 31.2 | 5.9 | 1240 |

93839 MEMPHIS, TENNESSEE

| | HOURS | | | | PERCENTAG | E FREQUENC | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | S OF TOTAL | SKY COVER | | | | MEAN | TOTAL |
|-------|--|------|------|------|-----------|------------|---|------------|-----------|-----------|------|------|-----------|-------|
| MONIN | (L.S.T.) | 0 | | 2 | 3 | + | 3 | 9 | 7 | 8 | 6 | 01 | SKY COVER | 085. |
| NUL | 90 | 39,3 | 3,3 | 2.0 | 7.3 | 4.7 | 0.9 | 0.4 | 8.0 | 6,6 | 1,3 | 14,7 | 3.9 | 150 |
| | 60 | 30,0 | 3.3 | 6.7 | 5.3 | 4.7 | 507 | 5.3 | 0.0 | 6.9 | 4.7 | 18,0 | 4.6 | 150 |
| | 90 | 12,7 | 4.7 | 6.7 | 6.7 | 4:7 | 0.0 | 6.7 | 6.7 | 7.3 | 9.3 | 28,7 | 0.0 | 150 |
| | 60 | 15.3 | 8.0 | 5.3 | 6.0 | 4.7 | 2.7 | 8.0 | 1.0 | 8.0 | 7.3 | 28.0 | 5.7 | 150 |
| | 7 | 4:7 | 7.3 | 2.7 | 0.0 | 8.0 | 743 | 8.7 | 1.8 | 16.0 | 14.7 | 18,0 | 6.5 | 150 |
| | 57 | 0.4 | 0.9 | 0.9 | 10.7 | 6.7 | 10.0 | 4.7 | 0.8 | 16.0 12.0 | 12.0 | 18.0 | 6.1 | 150 |
| | 18 | 8.7 | 10.0 | 10.0 | 7.3 | 6.7 | 9.0 | 4.7 | 0.8 | 12,7 | 11.3 | 16.7 | 5.5 | 150 |
| | 12 | 22,0 | 8.7 | 4:7 | 11.3 | 2.0 | 0.0 | 4.7 | 7.0 | 5.3 | 6.7 | 20.0 | 4.6 | 150 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | TOTALS | 1.2. | 4.4 | | 7.3 | | 1.7 | 0 | 0.7 | 10.2 | 3 | 20.3 | 5.4 | 1200 |
| | The second secon | | | | | | | 7 | | | | | | |

MEMPHIS, TENNESSEE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| Tarker. | HOURS | | | | PERCENTAG | E FREQUENC | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | S OF TOTAL | SKY COVER | | | | MEAN | TOTAL |
|---------|---------|-------|------|-----|-----------|------------|---|------------|-----------|------|------|------|-----------|-------|
| MONIA | (LS.T.) | 0 | - | 2 | | • | 3 | 9 | 7 | 8 | 6 | 02 | SKY COVER | OBS. |
| III | 9 | 31.0 | 6.5 | 7.7 | 9.0 | 5.2 | 7.7 | 5.2 | 5.6 | 7.7 | 3.9 | 15.5 | 1.4 | 15 |
| | 03 | 34.8 | 2.6 | 6.5 | 8.8 | 5.0 | 9.7 | 8.8 | 70.1 | 8.4 | 3.9 | 9,0 | 3.8 | 15 |
| | 90 | 14.2 | 4.5 | 8.6 | 1,1 | 8.8 | 5.8 | 5.2 | 11.0 | 11:0 | 9.7 | 16.8 | 5.5 | 15 |
| | 60 | 20,02 | 11.0 | 3.9 | 9.0 | 3.9 | 5.8 | 4.5 | 6.0 | 8.4 | 7.6 | 17.4 | 4.9 | 15 |
| | 12 | 6.8 | 5.8 | 6.5 | 9.0 | 9.0 | 9.0 | 3.9 | 10.3 | 12.9 | 9.0 | 18:1 | 5.9 | 15 |
| | 57 | 2.6 | 5.8 | 0.6 | 12.9 | 8.4 | 9.0 | 5.2 | 12.9 | 9.7 | 1106 | 12.9 | 5.7 | 15 |
| | 18 | 0.0 | 7.1 | 9.6 | 1.7 | 4.5 | 6.5 | 4.5 | 4.5 | 16.8 | 11.6 | 19.4 | 9.6 | 15 |
| | 17 | 18,7 | 1.1 | 8.6 | 1,1 | 6.5 | 200 | 3.2 | 5.2 | 10.3 | 5.2 | 25.8 | 5.3 | 15: |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TO | TOTALS | 17.1 | 6.1 | 7.4 | 8.5 | 6.2 | 7.0 | 4.7 | 7.0 | 10.7 | 8.1 | 16.9 | 5.1 | 124 |

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MEMPHIS, TENNESSEE 93839 STATION

| 1 | HOURS | | | | PERCENTAG | E FREQUENC | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | S OF TOTAL | SKY COVER | | | | MEAN | TOTAL |
|-----|---------|------|-----|------|-----------|------------|---|------------|-----------|------|------|------|-----------|-------|
| MOM | (LS.T.) | 0 | - | 2 | 6 | • | s | 9 | 1 | • | 6 | 9 | SKY COVER | 0.04 |
| AUG | 00 | 17.7 | 4.5 | 6.5 | 4.5 | 3.9 | 3.2 | 2.6 | 5.6 | 5.2 | 3.2 | 12.9 | 3.2 | 155 |
| | 03 | 8.54 | 4.5 | 5.8 | 4.5 | 3.9 | 3.2 | 2.6 | 5.8 | 5.2 | 3.9 | 14.8 | 3.4 | 155 |
| | 90 | 19.4 | 9.7 | 7.7 | 4.5 | 6.5 | 3.2 | 3.9 | 10.3 | 11.6 | 8.4 | 14.8 | 4.9 | 155 |
| | 60 | 23.9 | 7.6 | 9.7 | 6.5 | 4.5 | 5.2 | 1.9 | 5.2 | 9.7 | 7.7 | 16.1 | 4.5 | 159 |
| | 75 | 5.8 | 5.8 | Big | 5.8 | 9.7 | 9.7 | 6.5 | 12.3 | 16.1 | 9.0 | 11:0 | 5.7 | 155 |
| | 15 | 2.6 | 7.7 | 6.5 | 11.0 | | 12.9 | 7.7 | 7.6 | 14.2 | 9.7 | 12.3 | 5.8 | 155 |
| | 18 | 15.5 | 4.5 | 10,3 | 9.7 | 7.7 | 7.1 | 3.2 | 4.0 | 4.0 | 11.0 | 14.2 | 5.1 | 159 |
| | 17 | 32.3 | 7.1 | 7.7 | 1,1 | 4.5 | 7.7 | 2.6 | 7.1 | 8.4 | 3.2 | 12.3 | 3.6 | 155 |
| | | | | | | | | | | | | | | |
| | 9 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| ΙĐ | TOTALS | 24.1 | 6.7 | 7.8 | 6.7 | 5.8 | 6.5 | 3.9 | 8.1 | 6.6 | 7.0 | 13.6 | 4.6 | 1240 |

STATION MEMPHIS, TENNESSEE

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| | | | • | FRCENTAGE | FREQUENCY | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | OF TOTAL | SKY COVER | | | | MEAN | TOTAL |
|----------|-----|---|-----|-----------|-----------|---|----------|-----------|------|------|------|-----------|-------|
| - 0 | _ | | 2 | е п | - | S | • | - | 8 | 6 | 01 | SKY COVER | 0.08 |
| 34:0 4.0 | 9 | | 5.3 | 5,3 | 2.7 | 3.3 | 200 | 3.3 | 6.7 | 5.3 | 28.0 | 4.7 | 15 |
| 20:7 4.7 | 7 | | 4:2 | 0.0 | 2.7 | 2.7 | 1.3 | 9.3 | 3,3 | 3.3 | 31.3 | 5.0 | 150 |
| 0.4 0.41 | 9 | | 0.0 | 6.7 | 2.7 | 9.0 | 0.0 | 5.3 | 9.3 | 5,3 | 38.7 | 4.0 | 150 |
| 19:3 4.7 | 7 | | 5.3 | 6.7 | 1.3 | - | 0.0 | 6.7 | 8.0 | 0.8 | 34.7 | 0.0 | 150 |
| 8.7 6.0 | 9 | | 2,7 | 0.0 | 2.7 | 8.7 | 100 | 9.0 | 12.0 | 8.7 | 32.0 | 6.7 | 150 |
| 7.3 6.7 | | | 5,3 | 0.0 | 1.1 | Ged | 6.7 | 0.0 | 10.7 | 8.0 | 32.7 | 4.0 | 150 |
| 13,3 7.3 | 7.3 | | 5.3 | 6:7 | 0.0 | 4.0 | 2.0 | 7.3 | 6.7 | 10.7 | 30.7 | 0.9 | 150 |
| 29.3 4.0 | 0 | | 2.0 | 0.9 | 0.0 | 4.7 | 000 | 3,3 | 5.3 | 4.7 | 26.0 | 4.7 | 150 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 9,6 4.9 | 6 | - | 5,2 | 4.0 | 3.6 | 4.3 | 3.6 | 5.0 | 7.8 | 6.8 | 31.8 | 5.7 | 1200 |

MEMPHIS, TENNESSEE 93839 STATION

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| | HOURS | | | | PERCENTAG | E FREQUENC | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | OF TOTAL | SKY COVER | | | | MEAN | TOTAL |
|-------|----------|-------|------|-----|-----------|------------|---|----------|-----------|-----|-----|------|-----------|--------|
| MONIH | (L.S.T.) | 0 | - | 2 | 8 | - | 8 | • | 1 | 8 | ٥ | 0. | SKY COVER | NO. OF |
| 130 | g | 51:0 | 3.2 | 2.6 | 4.5 | 1.3 | 1.0 | 9. | 9.6 | 4.5 | 3.2 | 23,2 | 3.7 | 159 |
| | 60 | 0.00 | 2.6 | 3.2 | 1:0 | 2.6 | 103 | 2.6 | 6.0 | 2.6 | 2.6 | 25.2 | 3.9 | 15 |
| | 90 | 33.5 | 10.3 | 3.2 | 6.5 | | 302 | 3.9 | 7.7 | 3.2 | 6.5 | 21.9 | 4.3 | 155 |
| | 60 | 31.6 | 10.3 | 3.9 | 3.2 | 1,3 | 3.9 | 109 | 5.2 | 7:7 | 4.5 | 26.5 | 4.7 | 15 |
| | 77 | 26.5 | 8.4 | 3.9 | 5.2 | 3.9 | 2.6 | 1.9 | 7.1 | 4.8 | 5,8 | 26.5 | 5.1 | 15: |
| | 15 | 26.5 | 7.1 | 3.9 | 6.5 | 5.8 | 103 | 3.9 | 3.0 | 5.2 | 7.7 | 26.5 | 5.0 | 15: |
| | 18 | 27.7 | 9.0 | 7.7 | 5.8 | 3.9 | 2.6 | 2.6 | 7.7 | 6.5 | 5.8 | 20.6 | 4.5 | 159 |
| | 21 | \$6.5 | 4.5 | 5.8 | 4.5 | 5.8 | 9. | 1.3 | 6.0 | 3,2 | 4.5 | 16.8 | 3.4 | 155 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| ρ | TOTALS | 36.5 | 6.9 | 4.3 | 8.4 | | 2.2 | 2.3 | | 5.2 | 5.1 | 23.4 | 6.4 | 1240 |

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVÁTIONS)

| | HOURS | | | | PERCENTAG | E FREQUENC | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | OF TOTAL S | KY COVER | | | | MEAN | TOTAL |
|----------|----------|------|-----|-----|-----------|------------|---|------------|----------|--------------|-----|------|-----------|-------|
| MONIE | (L.S.T.) | 0 | - | 2 | 8 | 7 | S | 9 | 7 | & | 6 | 10 | SKY COVER | OBS. |
| NDN | 98 | 36.7 | 4.7 | 0.4 | 4:7 | | 2.0 | .7 | 3.3 | 1:3 | 2.7 | 40.0 | 5.0 | 150 |
| | 69 | 38.7 | 1.3 | 2.0 | 2:1 | 3.3 | 143 | 0.4 | 1.3 | 1.3 | 3.3 | 40.7 | 5.1 | 150 |
| | 90 | 26.7 | 8.7 | 2.0 | 4:0 | 1.7 | | .7 | 8.7 | 3.3 | 4.0 | 38.7 | 5.5 | 150 |
| | 9 | 25.3 | 5.3 | 4:7 | 3.3 | 3.3 | 2.7 | 2.7 | 2.0 | 5.3 | 3.3 | 42.0 | 5.7 | 150 |
| | 77 | 22.0 | 0.0 | 2.7 | 2.0 | 5.3 | 2.7 | 3.3 | 4.7 | 4:7 | 6.7 | 40.0 | 0.0 | 150 |
| | 57 | 19.3 | 8.7 | 6.7 | 2.7 | 3,3 | 3.3 | 2.7 | 4.7 | 7.3 | 1.8 | 34.7 | 5.9 | 150 |
| | 18 | 24.0 | 7.3 | 6.7 | 6.0 | 2.7 | 103 | 103 | 4.7 | 2.7 | 4.7 | 38.7 | 5.5 | 150 |
| | 17 | 32.7 | 0.0 | 1.1 | 3,3 | 2.0 | 2.0 | 4.0 | 2.7 | 4.0 | 3.3 | 35.3 | 5.0 | 150 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| <u>و</u> | TOTALS | 28.2 | 6.0 | 3.9 | 3.6 | 2.8 | 2.0 | 204 | 0.4 | 3.7 | 4.0 | 38.8 | 5.5 | 1200 |

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93839 MEMPHIS, TENNESSEE

| TOTAL | OBS. | 155 | 155 | 155 | 155 | 155 | 155 | 155 | 155 | | 1240 |
|---|-----------|------|------|------|------|------|------|------|------|--|--------|
| MEAN | SKY COVER | 5.1 | 5.4 | 5.7 | 9.9 | 6.7 | 6.9 | 0.9 | 5.2 | | 5.9 |
| 8 | 01 | 36.1 | 41.3 | 41.3 | 49.0 | 49.7 | 45.6 | 42.6 | 36.8 | | 42.4 |
| | • | 3.2 | 1.9 | 4.5 | 5.2 | 4.5 | 0.6 | 5.5 | 4.5 | | 6. |
| | - | 4.5 | 3.9 | 1.1 | 5.8 | 5.5 | 5. B | 4.5 | 3.9 | | 1.3 |
| KY COVER | , | 3.2 | 5.2 | 2.6 | 4.5 | 4.5 | 3.2 | 3.2 | 4.0 | | 2 |
| PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | • | 3.9 | 143 | 143 | 103 | 3.2 | 2.6 | 3.9 | 1.3 | | 4. |
| OF TENTHS | 3 | 3.2 | 1.3 | 3.2 | 1.3 | 1.9 | 2.6 | 1.9 | 9. | | 0.0 |
| FREQUENCY | - | 2.6 | 6:1 | | 1:3 | 2.6 | 3,2 | | 3.9 | | 0.0 |
| ERCENTAGE | 8 | 2.6 | 3.2 | 3.2 | 2.6 | 2.6 | 1.1 | 4.5 | 3.9 | | 8 |
| | 2 | 2.6 | 3.2 | 2.6 | 3.9 | 4.5 | 1:3 | 7:7 | 5.8 | | 0.4 |
| | - | 3.2 | 1.3 | 3.2 | 9.6 | 5.2 | 6.5 | 5.2 | 2.6 | | 1 |
| | 0 | 34.8 | 35.5 | 30.3 | 16.8 | 19:1 | 18.5 | 21.3 | 32.3 | | 36.3 |
| HOURS | (LS.T.) | 00 | 63 | 90 | 60 | 27 | 57 | 18 | 12 | | SI |
| THE CO | MOMIN | DEC | | | | | | | | | TOTALS |

93839 MEMPHIS, TENNESSEE

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| - | HOURS | | | | PERCENTAGE | E FREQUENC | Y OF TENTHS | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | SKY COVER | | | | MEAN | TOTAL |
|--------|---------|------|-------|-----|------------|------------|-------------|---|-----------|-------|-----|------|-----------|-------|
| MONTH | (LS.T.) | 0 | - | 2 | 8 | • | S | • | 7 | 60 | ۰ | 01 | SKY COVER | |
| JAN | ALL | 24.0 | 5.1 | 3,8 | 4:0 | 2.3 | 2.3 | 1.6 | 3.2 | 5.0 | 3.7 | 45.0 | 0.0 | 1240 |
| E 5 | | 25.4 | 3.9 | 5.2 | 5.0 | 2.8 | 2.3 | 2.0 | 3.6 | 4.3 | 4.8 | 40,8 | 5.7 | 1128 |
| MAR | | 15.9 | 3.8 | 5.0 | 4.6 | 2.2 | 2.8 | 2.5 | 5.0 | 6.9 | 7.3 | 44.0 | 6.6 | 1240 |
| APR | | 22.8 | 8 . 4 | 5.0 | 1.8 | 3.1 | 3.9 | 3.8 | 4.4 | 8.2 | 5.3 | 33,7 | 5.7 | 1200 |
| МАУ | | 16.4 | 119 | 0.9 | 6.3 | 1.4 | 0.4 | 4.7 | 9.9 | 7.8 | 6.8 | 31,2 | 5.9 | 1240 |
| NUL | | 17.1 | 4.0 | 5,8 | 7.3 | 5,3 | 601 | 5.9 | 7.0 | 10, 2 | 4.8 | 20,3 | 5.4 | 1200 |
| Jun | | 17.1 | 100 | 7.4 | 8.5 | 6.2 | 7.0 | 4.7 | 7.6 | 10.7 | 6.1 | 16.9 | 5.1 | 1240 |
| AUG | | 24:1 | 6.7 | 7.8 | 6.7 | 5.8 | 5.0 | 3.9 | 8.1 | 6.6 | 7.0 | 13.6 | 4.6 | 1240 |
| SEP | | 19.6 | 6.9 | 5.2 | 9.9 | 3.6 | 4.3 | 3.6 | 200 | 7.8 | 6.8 | 31.8 | 5.7 | 1200 |
| 130 | | 36.5 | 6.9 | 4:3 | 4.8 | 3.1 | 202 | 2.3 | 6.3 | 5.2 | 5.1 | 23.4 | 4.3 | 1240 |
| NON | | 28,2 | 0.9 | 3.9 | 3.6 | 2.8 | 2.0 | 2.4 | 4.0 | 3.7 | 4.0 | 38.8 | 5.5 | 1200 |
| DEC | | 25.3 | 5.3 | 0.0 | 3.8 | 2.0 | 200 | 206 | 3.9 | 5.1 | 4.8 | 42.4 | 5.9 | 1240 |
| TOTALS | | 22.7 | 5.6 | 5.3 | 8.8 | 3.6 | 3.8 | 343 | 5.6 | 7.1 | 6.1 | 31.8 | 5.5 | 14608 |



Asheville, N. C.

PART E

PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

- Cumulative percentage frequency of occurrence derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows: ij
- . Daily maximum temperature
 - b. Daily minimum temperature
 - . Daily mean temperature
- deviations are computed for months and annual when four or more values are present for any column. Two tables Extreme values - derived from daily observations with extreme value given for each year and month of record for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard available. Extremes are provided for a month if all days for a month contain valid observations. of daily extreme temperatures are prepared: ä
- a. Extreme maximum temperature b. Extreme minimum temperature
- NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.
- This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. The following information is provided: all years combined. 3
- Also provided for each dry-bulb temperature interval is the total no. of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb which may require two pages in some cases.
- A percentage frequency in this table of ".O" represents one or more occurrences amounting to less

- ö Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares $(\sum X^2)$, sums of values $(\sum X)$, means (\overline{X}) , and standard deviations (σx) . The number of observations used in the computations for each element is also shown.
- 0 At the lower right of the form are given the mean number of hours of occurrence for six ranges of the annual summary, or mean number of hours per month in the tabulations by month. represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period

Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

- . Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month Tables are prepared for the following: and annual and again at the bottom for all hours combined. Records for all years available are combined.
- . Dry-bulb temperature
- . Wet-bulb temperature
- . Dew-point temperature
- 5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
- Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.
- 6 ments and horizontally by eight wind directions (plus calm). Percentage frequency of occurrence of dry-bulb temperature versus wind direction - This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The main body of the summary consists of dry bulb temperatures spread vertically in four degree incre-

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DAILY TEMPERATURES

MENDILS, TRNNESSER 93839 STATION

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PERCENTAGE FREQUENCY OF OCCURRENCE

MAXIMUM

(FROM DAILY OBSERVATIONS)

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SEP

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ANNUAL

DEC

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MAY

APR

MAR.

FEB.

AN

TEMP (PF)

105

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24 C 4 E C 6

99978 BB

9999422

10.9 93.2

1001 2849 3849 8111 9966 8111 9966 8111

4.16

100.0 99.7

54.0 0.69 83.6 92.9

97.6

99.8

| DOM | 1272 | |
|-----|------|--------|
| - | | inter. |

| - | \ | |
|------------|------|--|
| SPO | 1272 | |
| - | | |

48.0 72.1

94.5 79.1

11.9 23.6 37.6 3.9

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TOTAL OBS.

MEAN S.D.

ON

DAILY TEMPERATURES

| | | | | VED AAA | 200 | PERMATION | (5) | | | | | |
|-------|----|-----------|-------|---------|--------------------------|-----------|-------|-------|-------------------|-------|-------|--------|
| | | | | LENOW | (FROM DAILY OBSERVATIONS | SERVALIO | (? | | | | | |
| FEB. | 1 | MAR. | APR. | MAY | J.C.V. | JUI. | AUG. | SEP. | OCT. | NOV | DEC. | ANNOAL |
| | | | | | 1.2 | 1.5 | 5. | | | | | |
| | - | 71- | | ., | 11.1 | 2 | 10.8 | 1.4 | | | | 3.9 |
| | | | 1.3 | 7.9 | 46.2 | | 50.5 | 23.0 | 1.9 | . 1 | | |
| • | - | 1.6 | 9.8 | 33.8 | 78.5 | | 87.7 | 48.2 | 8.2 | 8. | | 30.1 |
| | - | 8.8 | 26.2 | 4.09 | 93.2 | | 96.8 | 8.69 | 19.9 | 4.6 | 1.1 | 39.8 |
| 2.0 | C | 14.1 | 43.8 | | 98.8 | 100.0 | 6.66 | 87.0 | 34.6 | 11.0 | 3.4 | _ |
| 6.6 | • | 25.6 | 61.0 | 91.3 | 6.66 | | 100.0 | 95.5 | 54.7 | 20.5 | 7.6 | 55.9 |
| 14.4 | | 40.1 | 77.5 | 98.6 | 100.0 | | | 0.66 | 4.9 | 32.9 | 12.8 | 63.7 |
| 27.7 | - | 58.1 | | 6.66 | | | | 100.0 | 90.5 | 49.3 | 26.9 | 72.3 |
| 47.3 | - | 76.3 | | 100.0 | | | | | 97.4 | 20.6 | 44.4 | |
| 40.2 | - | 03 0 | | ***** | | | | | 00.7 | 86.4 | 48.4 | 88 |
| | - | 000 | 20001 | | | | | | | | 200 | |
| 620 | - | 7000 | | | | | | 1 | 1000 | 7500 | 7040 | |
| 76.4 | _ | 79.5 | | | | | 1 | | | 2000 | 73.7 | 27.0 |
| 97.0 | | 6.66 | | | | | | | | 10000 | 97.6 | 98.9 |
| 99.3 | | 100.0 | | | | | | | | | 99.2 | 99.6 |
| 100.0 | | | | | | | | | | | 9.66 | 99.8 |
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| 716 | + | - 11 | 7 | A. A. | 77.84 | 4.14 | 100 | 6.87 | 0 13 | | H. E. | |
| 240. | | 6096 6046 | 1000 | 000 | | | - 1 | 7.60 | 2000 | | 2000 | 2012 |
| : | | | - | | | | | | | | | 2000 |
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DAILY TEMPERATURES

MEMPILS, TENNESSEE STATION NAME

45-460 490

51-77 YEARS

ZENI

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)

| 22.2
22.9
22.9
20.0
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20.0 | - I man | JAN. | FEB. | MAR. | APR. | MAY | JUN | - 1 | AUG. | SEP. | OCT. | NOV. | DEC. | ANNOAL |
|---|------------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|
| 85 87 88 89 80 80 81 80 81 80 81 80 81 80 81 80 81 80 81 81 81 81 82 83 84 80 84 86 85 86 86 86 86 86 86 86 86 86 86 86 86 86 | | | | | | | | - | | | | | | - |
| 80 | | | | | | | | | 11.8 | | | | | 3.9 |
| 75 1.3 1.1 4.0 23.6 61.1 93.7 98.4 60.0 60.0 10.0 60.0 6 | | | | | 2 | 2.0 | 46. | | 56.3 | | | | | 16.7 |
| 70 11 11 4.0 23.6 61.1 93.7 98.7 98.6 61.1 93.7 98.7 98.6 65.6 65.1 93.7 98.7 99.8 6 65.8 65.8 65.8 95.8 95.8 95.8 95.8 95.8 95.8 95.8 9 | | | | .3 | 6.2 | | 77. | | 88.6 | | | | | 29.6 |
| 65 1.3 1.2 13.3 40.0 79.9 99.4 99.9 99.8 55 100.0 100. | | 1. | .1 | 4.0 | | | 93. | | 4.86 | | | | • 1 | 39.6 |
| 95 100.0 100 | | 1.3 | 1.2 | 13.3 | | 79. | | _ | 99.8 | | | 9.7 | 1.2 | 48.7 |
| 99 10,3 14,7 41,5 41,3 98,7
45 30,7 49,8 92,0 100,0
35 66,5 82,4 99,8 100,0
36 81,1 92,0 99,0 100,0
39 99,9 100,0
5 99,9 100,0
6 100,0
7 100,0
8 100,0
9 100 | | 4.7 | 5.1 | 25.0 | | 93. | 100.0 | 100.0 | 100.0 | | | | | 56.8 |
| 90 19,0 26,7 59,5 93,0 100,0 45 30,7 49,7 74,9 98,9 40,9 40,9 40,9 40,9 40,9 40,9 40,9 40 | | 10 | | 41.5 | | 98 | | | | 29.7 | 82.1 | | | 64.9 |
| 45 30,7 45,7 74,9 98,9 40 47,7 66,4 88,4 99,9 30 66,5 82,4 99,6 30 86,1 97,4 99,8 20 96,1 97,4 99,8 30 99,9 100,0 30 99,9 100,0 30 99,9 100,0 30 99,9 100,0 30 100,0 | | 19 | | 59.3 | | | | | | 100.0 | | | | 72.9 |
| 35 66,5 62,4 99,6 100,0 29 66,5 62,4 99,6 100,0 29 90,1 99,0 100,0 10 99,9 100,0 5 90,9 9 0 100,0 10 90,9 9 0 100,0 10 90,9 9 0 100,0 10 90,9 9 10 100,0 10 100,0 10 100,0 10 10 10 10 10 10 10 10 10 10 10 10 10 1 | | 30 | | 74.9 | | 1 | | | | | | | | 80.4 |
| 39 66,5 62,4 99,6 100.0 25 90,1 97,4 99,8 26 96,1 99,0 100.0 27 99,9 100.0 28 99,9 100.0 29 99,9 100.0 20 99,9 100.0 20 99,9 100.0 20 99,9 100.0 20 99,9 100.0 20 100,0 20 100 | | | 4.99 | 88.4 | | | * | | | | 100.0 | 1 | | 87.6 |
| 30 81.1 92.0 99.0
25 90.1 97.4 99.9
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1 100.0 | | .00 | | 98.8 | - | | | | | | | 95.5 | 80.0 | 93.5 |
| 25 90.1 97.4 99.8 20 96.1 99.0 100.0 3 99.9 5 99.9 6 100.0 6 100.0 7 100.0 7 100.0 7 100.0 8 1.3 10.0 8 | | 81. | | 0.66 | | | | | | | | 98.9 | | 96.9 |
| 20 96.1 99.7 100.0 15 99.9 5 100.0 6 100.0 7 100.0 8 99.7 9 99.9 10 99.7 10 | | - | 97.4 | 99.8 | | | | | | | | 866 | | 98.6 |
| 15 99.9 100.0 5 99.9 100.0 6 100.0 7 100.0 7 100.0 7 10.0 | | - | | 100.0 | | | | | | | | 10000 | | 99.9 |
| 10 99,5 100.0 5 99,9 0 100,0 | | - | | | | | | | | | | | | 99.8 |
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0 11,476 9,87310,243 8,341 6,861 5,300 4,299 4,279 | | | | | | | | | | | | | 6.66 | 100.0 |
| MEAN WEAN 196.2 62.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 1 | | _ | | | | | | | | | | | 100.0 | 100.0 |
| MEAN 39:3 43:0 52:0 70:0 70:0 70:0 70:0 81:3 79:8 82.0 85.0 85.0 85.0 85.0 85.0 85.0 85.0 85 | | 7 | | | | | | | | | | | | 100.0 |
| MEAN 395.3 43.0 52.0 70.6 78.4 81.3 79.8 5.0. 5.0. 5.0. 5.0. 5.279 | Al | | | | | | | | | | | | | |
| MEAN 39°3 43.0 52.0 70.6 78.4 81.3 79.8 5.0. 11.470 9.87310.243 8.341 6.361 5.300 4.290 4.279 | Al | | | | | | | | | | | | | |
| MEAN 39°3 43.0 52.0 70.6 78.4 81.3 79.8 5.0. 5.0. 5.0. 70.6 70.6 70.6 70.8 | Al | | | | | | | | | | - | | | |
| MEAN 39°3 43.0 52.0 72.0 70.6 11.3 79.8 5.5.0 11.670 9.87310.243 5.341 6.861 5.300 4.290 4.279 | Al | | | | | | | | / | | | | | |
| MEAN 3953 43.0 52.0 70.6 78.4 81.3 79.8 S.D. S.D. S.D. S.D. S.D. S.D. S.D. S. | Al | | | | | | | | | | | | | |
| MEAN 3953 43.0 52.0 70.6 78.4 81.3 79.8 S.D. S.D. S.D. S.D. S.D. S.D. S.D. 4.290 4.279 | Al | | | | | | | | | | | | | |
| MEAN 395.3 43.0 52.0 70.6 78.4 81.3 79.8 S.D. S.D. S.D. S.D. S.D. S.D. S.D. S. | Al | | | | | | | | | | | | | |
| MEAN 395.3 43.0 52.0 70.6 78.4 81.3 79.8 S.D. S.D. S.D. S.D. S.D. S.D. S.D. S. | | | | | | | | | | | | | | |
| MEAN 39.3 43.0 52.0 72.0 70.6 78.4 81.3 79.8 S.D. S.D. 11.470 9.87310.243 8.341 6.861 5.300 4.290 4.279 | | | | | | | | | | | | | | |
| MEAN 39.3 43.0 52.0 62.0 70.6 78.4 81.3 79.8 S.D. 11.470 9.87310.243 8.341 6.861 5.300 4.290 4.279 | A1 | | | | | | | | | | | | | |
| MEAN 39.3 43.0 52.0 62.6 78.4 81.3 79.8 S.D. 11.470 9.87310.243 8.341 6.861 5.300 4.290 4.279 | | | | | | | | | | | | | | |
| MEAN 39.3 43.0 52.0 62.6 70.6 78.4 81.3 79.8 S.D. 11.470 9.87310.243 8.341 6.861 5.300 4.290 4.279 | | | | | | | | 87. | | | | | | |
| MEAN 394.3 43.0 52.0 62.6 70.6 78.4 81.3 79.8 5.0. 11.470 9.87310-243 8.341 5.861 5.300 4.290 4.279 | | | | | | | | | | | | | | |
| MEAN 39.3 43.0 52.0 62.6 70.6 78.4 81.3 79.8 5.0. | A1 | | | | | | | | | | | | | |
| MEAN 39.3 43.0 52.0 62.6 70.6 78.4 81.3 79.8 5.0. | A | | | | | | | | | | | | | |
| 110470 9.87310.243 5.341 6.361 5.300 4.290 4.279 | | | | | | | | | | | | | | |
| 17. 04. 04. 04. 04. 04. 04. 04. 04. 04. 04 | MEAN | 34.3 | 0 | 52.0 | 0230 | 0.0 | 4.8 | 61.9 | 1 | | 05.0 | 20. | 42.5 | 91.0 |
| G 13 C 15 C | S.D. | 11.00 | 0 | 0.243 | 100.0 | 10000 | 0000 | 4.690 | | 644.0 | 0000 | | - 1 | 740 001 |
| 000 070 400 000 | TOTAL OBS. | 100 | 601 | 100 | - | 200 | 070 | 000 | | 100 | 0.0 | | - 1 | 1001 |

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MNAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

MEMPHIS. TN.

STATION 93839

STATION NAME

1946-1946 1951-1977

MONTH

JANUARY

| | MEAN TEMP | EMP | | Σ | MAXIMUM TEMP | MP | | | 2 | MINIMUM TEMP | MP | |
|---------|-----------|-------|---------|------|--------------|------|-------|---------|------|--------------|-------|------|
| _ | AVERAGE | GE | AVERAGE | GE | EXTREME | ME | | AVERAGE | | EXTREME | EME | |
| DAY | ٠
ا | ၁့ | о
Н | ပိ | L ° | ပ | DATE | J. | ပ | 9. | ပ | DATE |
| 1 | 38.6 | 3.7 | 8.94 | | 25 | 23.9 | 1952 | 30.3 | 6.0- | == | -11.7 | 1977 |
| 2 | 39.6 | 4.2 | 48.1 | 8.9 | 99 | 18.9 | 1966* | 31.2 | | 18 | -7.8 | 1977 |
| 3 | 39.1 | 3.9 | 46.7 | 8,2 | 62 | 16.7 | 1962# | 31.6 | -0.2 | 18 | -7.8 | 1959 |
| 4 | 38.2 | 3.4 | 40.4 | | 99 | 18.9 | 1955* | 30.0 | -1.1 | 00 | -13.3 | 1959 |
| 5 | 38.8 | 3.8 | 46.2 | 7.9 | 69 | 20.6 | 1955 | 31.3 | +0- | 9 | | 1959 |
| 9 | 38.9 | 3.8 | 47.4 | | 69 | 20.6 | 1956* | 30.5 | 8.0- | * | -15.6 | 1970 |
| 7 | 37.6 | 3.1 | 0.94 | 7.8 | 7.1 | 21.7 | 1965 | 29.5 | -1.6 | 2 | | 1970 |
| 8 | 37.4 | 3.0 | 46.6 | | 72 | 22.2 | 1965 | 28.3 | -2.1 | 2 | 15 | 1970 |
| 6 | 37.9 | 3.3 | | 8.8 | 72 | - | 1957 | 27.9 | -2.3 | 2 | | 1970 |
| 10 | 35.5 | 1.9 | 43.1 | | 69 | 20.6 | 1975* | 27.9 | | -2 | | 1962 |
| 11 | 35,5 | 1.9 | 43.4 | | 69 | 20.6 | 1960 | 27.5 | -2.5 | -2 | | 1962 |
| 12 | 36.4 | 2.4 | 45.8 | 7.7 | 69 | 20.6 | 1960 | 27.1 | | -2 | | 1962 |
| 13 | 38.4 | 3.6 | 47.7 | 8.7 | 72 | 22.2 | 1960 | 29.1 | -1.6 | 00 | | 1963 |
| 14 | 40.1 | 4.5 | 48.4 | | 70 | 21.1 | 1960 | 31.8 | -0.1 | 12 | | 1963 |
| 15 | 39.7 | 4.3 | 48.6 | | 7.1 | 21.7 | 1953* | 30.6 | -0.1 | * | | 1972 |
| 16 | 35.7 | 2.1 | 43.7 | | 76 | 24.4 | 1952 | 27.6 | -2.4 | 2 | -15.0 | 1977 |
| 17 | 36.6 | 2.6 | 49.3 | | 89 | 20.0 | 1952 | 28.0 | -2.2 | * | -15.6 | 1977 |
| 18 | 39.1 | 3.9 | 47.3 | | 72 | 22.2 | 1974 | 30.9 | 9.0- | • | -13.9 | 1977 |
| 19 | 40.6 | 4.8 | 48.8 | | 7.1 | 1. | 1974 | 32.4 | 0.2 | 2 | | 1977 |
| 20 | 39.9 | 4.4 | 48.0 | 8.9 | 70 | 21.1 | 1959 | 31.6 | -0.1 | 14 | | 1971 |
| 21 | 40.6 | 9 · 9 | 49.7 | | 70 | 21.1 | 1959 | 31.6 | -0.2 | 2 | -15.0 | 1970 |
| 22 | 41.3 | 5.2 | 6.64 | | 89 | 20.0 | 1967* | 32.7 | 4.0 | 12 | | 1959 |
| 23 | 39.4 | 4.1 | 48.0 | - | 73 | 22.8 | 1961 | 30.7 | -0.7 | 6 | -16.1 | 1963 |
| 24 | 38.6 | 3.7 | 46.8 | - | 7.5 | 3. | 1972 | 30.5 | 8.0- | 0 | -17.8 | 1963 |
| 25 | 42.1 | 3.6 | 50.9 | - | 99 | | 1970 | 33,3 | 0.7 | 07 | -12.2 | 1963 |
| 26 | 43.4 | 6.3 | 52.3 | _ | 76 | | 1952 | 34.0 | 1.35 | 13 | +.6. | 1966 |
| 22 | 39.4 | 4.1 | 47.7 | 1 | 74 | 23.3 | 1975 | 31.1 | -0.5 | • | -14.4 | 1963 |
| 28 | 39.5 | 4.2 | 48.0 | _ | 74 | | 1975 | 31.0 | 9.0- | * | -15.6 | 1963 |
| 59 | 39.9 | 4.4 | 49.7 | 9.8 | 16 | 54.4 | 1975 | 30.1 | -1.1 | 3 | -16.1 | 1966 |
| 30 | 39.9 | 4.4 | 49.0 | 4.6 | 67 | 19.4 | 1961 | 30.7 | -0.1 | 0 | -17.8 | 1966 |
| 31 | 41.1 | 501 | 50.0 | 10.0 | 99 | 18.9 | 1974* | 32.2 | 0.1 | - | | 1965 |
| Monthly | 39.0 | 0.4 | 47.4 | | 74 | 24.4 | 1075# | 30.4 | | - 2 | 0 01 | 1049 |

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*ALSO ON EARLIER YEARS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

1946-1946 1951-1977

FEBRUARY

MEMPHISE TN. STATION NAME

| MEAN TEMP
AVERAGE | EMP | AVERAGE | | EXTREME | ME | | AVERAGE | | EXTREME | ME | |
|----------------------|-----|----------|------|---------|-------|-------|---------|------|---------|--------|------|
| 9 F | o°. | 9 6 | ၁့ | 9 E | ၁့ | DATE | ٠
د | ၁ွ | 9°F | ၁့ | DATE |
| 44.7 | 7.1 | 53.1 | 11.7 | 73 | 22.8 | 1961 | 36,3 | 2.4 | 11 | -8.3 | 1977 |
| 41.7 | 5.4 | 50.7 | 10.4 | 69 | 20.6 | 1974 | 32.7 | 4.0 | 12 | -111.1 | 1969 |
| 39.3 | 4.1 | • | 8.4 | 72 | 22.2 | 1962 | 31.4 | E.0- | 12 | -111.1 | 1970 |
| 42.9 | 6.1 | 52.9 | 11.6 | 99 | 20.0 | 1971* | 33.0 | 9.0 | 13 | -10.6 | 1970 |
| 44.2 | 6.8 | 53.7 | | 89 | 20.0 | 1973 | 34.7 | 1,5 | 20 | | 1966 |
| 41.1 | 5.1 | 49.5 | 9.7 | 68 | 20.0 | 1963 | 32.7 | **0 | 17 | - | 1959 |
| 39.1 | 3.9 | 47.1 | 8.4 | 65 | 18.3 | 1966 | 31.1 | -0.5 | 16 | 6.8- | 1967 |
| 41.2 | 5.1 | 8.64 | 6.6 | 89 | 20.0 | 1957 | 32.7 | 0.0 | 1.4 | -10.0 | 1971 |
| 43.7 | 6.5 | 53.7 | 12.1 | 26 | 24.4 | 1957 | 33.7 | 6.0 | - | -13.9 | 1971 |
| 43.5 | 4.9 | | 12.2 | 1, | 23.3 | 1954 | 33.0 | 9.0 | 12 | | 1971 |
| 41.7 | 3.4 | | | 88 | 20.0 | 1961 | 32.3 | 0.2 | | -11.7 | 1955 |
| 4104 | 5.2 | 50.0 | 10.0 | 77 | 25.0 | 1962 | 32.8 | 4.0 | 87 | | 1958 |
| 43.8 | 9.9 | 52.7 | 11.5 | 80 | 26.7 | 1962 | 35.0 | 1.7 | 61 | -7.2 | 1971 |
| 45.5 | 7.5 | 93.9 | | 73 | 22.8 | 1976 | 37.1 | 2.8 | 61 | -7.2 | 1971 |
| 43.3 | 6.3 | 50.8 | | 74 | 23.3 | 1954 | 35.6 | 2.1 | 1,4 | -10.0 | 1958 |
| 41.9 | 5.5 | 50.1 | 10.1 | 75 | 23.9 | 1961 | 33.7 | 6.0 | 4 | -13.9 | 1958 |
| 43.5 | 6.4 | 53.1 | 11.7 | 74 | 23.3 | 1976 | 33.9 | 1,1 | 5 | -15.0 | 1958 |
| 44.0 | 6.7 | 53.9 | 12.2 | 75 | 23.9 | 1961 | 34.1 | 1.2 | 9 | -14.4 | 1958 |
| 42.9 | 6.1 | | 10.5 | 69 | 20.6 | 1976 | 35.0 | 1.7 | 14 | -10.0 | 1958 |
| 42.0 | 3.6 | | 11,1 | 75 | 23.9 | 1976 | 32.0 | 0.0 | 13 | -10.6 | 1958 |
| 42.6 | 5.9 | 53.0 | 11.7 | 70 | 21.1 | 1975 | 32.1 | 0.1 | 13 | -10.6 | 1963 |
| 42.7 | 5.9 | 50.6 | 10.3 | 7, | 21.7 | 1977 | 34.9 | 1.6 | 1 | -13.9 | 1963 |
| 45.2 | 7.3 | 55.2 | 12.9 | 73 | 22.8 | 1961 | 35.1 | 1.7 | 20 | -6.7 | 1964 |
| 44.8 | 7.1 | | 12.3 | 73 | | 1957 | 35.6 | 2.0 | 20 | -6.7 | 1967 |
| 46.1 | 7.8 | 55.9 | 13.3 | 75 | | 1977 | 30.4 | 2.4 | 1.4 | -10.0 | 1965 |
| 45.7 | 7.6 | 55.4 | 13.0 | 75 | 23.9 | 1977 | 36.0 | 2.2 | 21 | -6.1 | 1967 |
| 48.0 | 8.9 | | 14.2 | 78 | 25.6 | 1954 | 38.4 | 3.6 | 67 | -7.2 | 1963 |
| 47.3 | 8.5 | - | 13.1 | 74 | 23.3 | 1976* | 39.0 | 3.9 | 25 | -3.9 | 1977 |
| 47.2 | 8.4 | | 14.4 | 76 | 24.4 | 1972 | 36.6 | 2,6 | 27 | -2.8 | 1964 |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| 43.4 | 4.2 | R. 9. R. | 11.4 | 0 | 24. 7 | 1040 | 2 72 | 1.3 | | 116.0 | 1058 |

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*ALSO ON EARLIER YEARS

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93839 STATION

WAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

MEMPHISA TN. STATION NAME

93839 STATION

1945-1946 1951-1977

MONTH

MARCH

| | | CIVIL | | YIM WITH | MAAINIOM LEWIN | MI | | | 2 | MINIMOM LEMP | MP | |
|---------|----------|-------|---------|----------|----------------|------|-------|---------|-----|--------------|--------|-------|
| | AVERAGE | \GE | AVERAGE | GE | EXTREME | ME | | AVERAGE | 3E | EXTREME | ME | |
| DAY | . | ၁့ | ٩, | ွင | о
Н
о | ၁့ | DATE | ۰, | ၁့ | a
F | ပွ | DATE |
| 1 | 47.9 | 8.8 | 57.1 | 13.9 | 74 | 23.3 | 1976* | 38.8 | | 22 | -5.6 | 1968* |
| 2 | 50.2 | 1001 | 59.5 | 15,3 | 76 | 24.4 | 1976* | 6.04 | 4.9 | 28 | -2.2 | 1962* |
| 3 | 49.5 | 9.7 | 56.9 | | 19 | 26.1 | 1976 | 42.0 | 5.6 | 22 | -5.6 | 1960 |
| 4 | 49.8 | 6.6 | 58.5 | 14.7 | 80 | 26.7 | 1976 | 41.1 | 5.1 | 17 | -8.3 | 1960 |
| 5 | 48.5 | 9.2 | 58.1 | | 75 | 23.9 | 1967* | 38.9 | | 12 | | 1960 |
| 9 | 47.9 | 8.8 | 56.3 | 13,5 | 78 | 25.6 | 1956 | 39.4 | 4.1 | 22 | -5.6 | 1960 |
| 7 | 6.04 | 8.3 | 56.3 | | 77 | 25.0 | 1974 | 37.4 | | 54 | +++- | 1966 |
| 8 | 48.0 | 6.8 | 58.4 | | 84 | 28.9 | 1974 | 37.5 | | 52 | -3.9 | 1960 |
| 6 | 49.4 | 9.7 | 59.3 | | 80 | 26.7 | 1974 | 39.4 | 4.1 | 97 | -3.3 | 1969 |
| 10 | 50.7 | 10.4 | 59.8 | 15.3 | 78 | 25.6 | 1974 | 41.9 | | 54 | | 1969 |
| 11 | 54.2 | 12.3 | 63.4 | 17.4 | 80 | 26.7 | 1967* | 45.1 | | 97 | -3.3 | 1969 |
| 12 | 54.0 | 12.2 | 62.6 | 17.0 | 82 | 27.8 | 1967 | 45.5 | 7.5 | 23 | -2.8 | 1960 |
| 13 | 52.1 | 11.2 | 61.5 | | 83 | 28.3 | 1961 | 42.7 | 5.9 | 25 | -3.9 | 1969 |
| 14 | 52.1 | 11.2 | 60.7 | 15.9 | 80 | | 1971 | | | 82 | -2.2 | 1969 |
| 15 | 52.7 | 11.5 | 61.9 | | 61 | 7. | 1977 | 43.5 | 6.4 | 28 | -2.2 | 1954 |
| 16 | 50.9 | 10.5 | 60.1 | | 18 | 27.2 | 1945 | 41.7 | 5.4 | 30 | -1.1 | 1954 |
| 17 | 50.9 | 10.5 | 60.7 | | 78 | 25.6 | 1945 | 41.2 | | 53 | | 1976# |
| 18 | 52.4 | 11.3 | 61.1 | 16.2 | 75 | 23.9 | 1945 | | | 27 | -2.8 | 1961 |
| 19 | 53.0 | 11.7 | 61.7 | | 81 | 27.2 | 1945 | 44.4 | | 21 | -6.1 | 1965 |
| 20 | 53.1 | 11.7 | 62.6 | 17.0 | 81 | 27.2 | 1966 | 43.5 | 4.9 | 61 | -7.2 | 1965 |
| 21 | 50.2 | 10.1 | 58.5 | 14.7 | 82 | 27.8 | 1966 | 42.0 | | 56 | | 1965 |
| 22 | 50.3 | 10.2 | 0.00 | | 79 | 26.1 | 1966 | 40.5 | | 28 | -2.2 | 1968* |
| 23 | 52.1 | 11.2 | 63.8 | 17.7 | 78 | 25.6 | 1961 | 4004 | 4.7 | 25 | -3.9 | 1974 |
| 24 | 53.0 | 11.7 | 62.0 | | 18 | 27.2 | 1967* | 0.44 | 6.7 | 23 | -5.0 | 1974 |
| 25 | 51.7 | 10.9 | 9.09 | | 78 | 25.6 | 1961 | 42.9 | 6,1 | 92 | -3.3 | 1955 |
| 26 | 51.4 | 10.8 | 59.9 | 15,5 | 77 | 25.0 | 1977 | 43.0 | 6.1 | 18 | | 1955 |
| 27 | 54.2 | 12.3 | 0.40 | | 81 | 27.2 | 1945 | 44.3 | 8.9 | 21 | -6.1 | 1955 |
| 28 | 57.9 | 14.4 | 4.80 | 20.2 | 79 | 26.1 | 1963* | 47.3 | 8.5 | 30 | -1.1 | 1955 |
| 56 | 57.4 | 14.1 | 67.6 | 19.8 | 82 | 27.8 | 1963 | 47.3 | 8.5 | 30 | -1.1 | 1964 |
| 30 | 55.4 | 13.0 | 9.49 | 18.1 | 82 | 27.8 | 1963 | 46.1 | 7.8 | 52 | -3.9 | 1964 |
| 31 | - | 14.0 | 67.2 | 19.6 | 84 | 28.9 | 1974 | 47.1 | | 34 | 1.1 | 1969 |
| Monthly | 51.8 | 11.0 | 61.1 | 16.2 | 40 | 28.9 | 1974 | 42.5 | | 12 | -111-1 | 1960 |

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*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

| APRIL | HLNOW | |
|---------------------|--------------|--|
| 1945-1946 1950-1977 | YEARS | |
| MEMPHIS, TN. | STATION NAME | |
| 93839 | STATION | |

| | | DATE | 1954 | 1971 | 1975* | 1975 | 1971 | 1971* | 1971 | 1972 | 1964 | 1976 | 1973 | 1997 | 1957 | 1959 | 1957* | 1962 | 1956 | 1953 | 1953 | 1953 | 1953 | 1959 | 1959 | 1956 | 1972* | 1972 | 1953 | 1973* | 1965 | 1969* | | 1976# |
|---------------|---------|------|------|-------|-------|------|------|-------|-------|------|-------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|-------|------|------|-------|------|-------|----|---------|
| ٥ | IE . | ၁ွ | 1.1 | 1.1 | 1.1 | 9.0 | 1.7 | 1,1 | 9.0 | 1.1 | 1.1 | 0.0 | 0.0 | 0.0 | 1.7 | 1.7 | 3.9 | 1.7 | 3.9 | 3.3 | 1.1 | 2.8 | 3.3 | 6.1 | 3,3 | 9.6 | 6.1 | 5.0 | 1.0 | 6.3 | 6.7 | 6.7 | | 0.0 |
| MINIMUM TEMP | EXTREME | o, F | 34 | 34 | 34 | 33 | 35 | 34 | 33 | 34 | 34 | 32 | 32 | 32 | 35 | 35 | 36 | 35 | 39 | 38 | 34 | 37 | 38 | | 38 | | 43 | 14 | 43 | ** | 44 | 44 | | 32 |
| | | ၁့ | 6.3 | 9.4 | 1 | 8.0 | - | 8,5 | 9.1 | 9,2 | - | | 1001 | | - | | 10.6 | - | 1106 | 12,8 | 12.8 | 1301 | 13.2 | | 14.5 | 13,3 | 12,5 | 12.8 | 13.5 | 14.3 | 14.0 | 14.1 | | 11,3 |
| | AVERAGE | ٥F | 48.8 | 49.0 | 49.8 | 4004 | 47.4 | 47.3 | | | 48.9 | | 50.2 | | 49.7 | 51.7 | 1: | 51.7 | 52.9 | 95.0 | 55.1 | 55.6 | 55.7 | 97.9 | 58.1 | 56.0 | 34.5 | 55.0 | 56.3 | 57.7 | 57.2 | 57,3 | | 52.4 |
| | | DATE | 1946 | 1957* | 1974+ | 1954 | 1967 | 1954 | 1954* | 1953 | *2961 | 141 | 1977 | 1972 | 1972 | 1972 | 1972 | 1261 | 1955 | 1955 | 1761 | 0961 | 5961 | 5961 | 5961 | 1965 | 0961 | 986 | 1975 | 1952 | 1952 | 1952 | | 1952 |
| | E | o°. | 28.9 | . 8 | | 27.8 | | | | | | | 28.9 | | | | | | | 30.6 | | | | 31.7 | | 2 | 0 | | | | | 31.7 | | 32,8 |
| MAXIMONI LEMP | EXTREME | ° F | 84 | 82 | 84 | 82 | 86 | 85 | 85 | 84 | 84 | 84 | 84 | 86 | 88 | 8.7 | 68 | 87 | 88 | 87 | 87 | 85 | 87 | 68 | 96 | 68 | 98 | 87 | 98 | 87 | 16 | 68 | | 16 |
| | | ၁့ | 20.3 | 21.0 | | 20.0 | 18.1 | 19.8 | 21.4 | 20.8 | | 19.9 | 21.3 | 21.2 | 20.7 | 21.8 | 22.6 | 22,2 | 23.6 | 24.2 | 24.1 | 25.4 | 24.3 | 25.7 | 24.4 | 22.3 | 23.0 | 23.3 | 23.9 | 24.5 | | 25.1 | | 22.3 |
| | AVERAGE | °F | 68.6 | 69.8 | 70.6 | 0.80 | 64.5 | 7. | 0 | 69.4 | 68.1 | | | 70.1 | 69.3 | 71.3 | 72.7 | 71.9 | 74.4 | | 75.4 | 77.7 | 75.7 | 78.3 | 76.0 | 72.2 | 73.4 | 73.9 | 75.0 | 76.1 | 75.3 | 77.1 | | 72.2 |
| | | ၁့ | 14.8 | 15.2 | 15.7 | 14.0 | 13.3 | 14.2 | 15.3 | 14.9 | 14.7 | 14.5 | 15.7 | 16.0 | 15.3 | 16.4 | 16.6 | 16.6 | 17.6 | 18.5 | 18.4 | 19.3 | 18.7 | 20.1 | 19.5 | 17.8 | 17.7 | 18.0 | 18.7 | 19.4 | 19.1 | 19.6 | | 16.8 |
| MEAN TEMP | AVERAGE | ٥ ٠ | 58.7 | 59.4 | 60.2 | 57.2 | 95.9 | 57.5 | 59.5 | 98.9 | 58.5 | 58.1 | 60.3 | 8.00 | 59.5 | 61,5 | 61.9 | 61.8 | 63.7 | 63.3 | 65.2 | 66.7 | 65.7 | 68.1 | 67.1 | 64.1 | 63.9 | 4.49 | 63.7 | 6.99 | 66,3 | 67.2 | | 62,3 |
| | | DAY | 1 | 2 | 3 | 4 | 5 | 9 | 7 | 8 | 6 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | Monthly |

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*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

MMAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

1945-1946 1950-1977

STATION NAME

MEMPHIS, TN.

93839 STATION

MONTH

MAY

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*ALSO ON EARLIER YEARS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

1945-1946 1950-1977

STATION NAME

MEMPHIS, TN.

STATION 93839

LINE

MONTH

| DAY
1
2
3
3
4
4
5
6 | 5 4 4 4 | AGE | | | | | | | | MINIMON EMP | AL. | |
|---|---------|------|---------|------|---------|------|-------|---------|--------------|-------------|------|-------|
| ++++++ | 400 | - | AVERAGE | GE | EXTREME | ME | | AVERAGE | GE | EXTREME | ME | |
| - 2 8 4 3 2 7 | | o°. | ٥, ا | ၁့ | 9 °F | ၁့ | DATE | L.° | ပ | ٩, | ္စ | DATE |
| 2 6 5 4 3 2 | - | 23.6 | 93.4 | 28.6 | 66 | 35.0 | 1953 | 65.5 | | 64 | 4.6 | 1972 |
| 2 4 3 | - | 23.1 | 63.3 | 28.5 | 16 | 32.8 | 1965* | | State of the | 54 | 12.2 | 1956 |
| 4 9 2 | | 23.2 | 84.2 | 29.0 | 63 | 33.9 | 1965* | 63.2 | 17,3 | 20 | | 1969 |
| 5 9 7 | 13.6 | 24.0 | 85.6 | 29,8 | 68 | 35.0 | 1952 | 8.49 | 18.2 | 52 | | 1945 |
| 9 | 76.1 | 24.5 | 86.2 | | 100 | 37.8 | 1958 | 0.99 | 100 | 52 | 11.1 | 1945 |
| 7 | 77.5 | 25.3 | 68.0 | 31.1 | 95 | 35.0 | 1977* | 67.0 | 19.4 | 58 | 14.4 | 1970 |
| | 76.5 | 24.7 | 86.6 | 30.3 | 96 | 35.6 | 1953 | 66.4 | 19.1 | 59 | 15.0 | 1976 |
| 8 | 78.4 | 25.8 | 89.3 | 31.8 | 16 | 36.1 | 1953* | 67.6 | 1000000 | 55 | | 1977 |
| 6 | 79.3 | 26.3 | | | 86 | 36.7 | 1953 | 69.2 | 20.7 | 09 | | 1970 |
| 10 | 78.6 | 25.9 | | | 66 | 37.2 | 1953 | 69.5 | 20.8 | 56 | - | 1955 |
| 11 | 78.6 | 25.9 | 8 | | 102 | | 1953 | | | 53 | 12.8 | 1966# |
| 12 | 79.5 | 26.4 | 4.68 | | 16 | | 1977* | 69.5 | 20.8 | 59 | | 1955 |
| 13 | 79.2 | 26.2 | : | 31.7 | 86 | 36.7 | 1953 | | | 09 | 15.6 | 1975* |
| 14 | | 25.7 | 87.3 | 30.7 | 86 | 36.7 | 1952 | | 20.8 | 65 | | 1959 |
| 15 | 77.4 | 25.2 | 4.98 | 30.2 | 100 | 37.8 | 1952 | 4.89 | 1 | 09 | | 1960* |
| 16 | | 25.1 | 85.9 | | 86 | 36.7 | 1953 | 68.6 | | 57 | 13.9 | 1969 |
| 17 | 17.8 | 25.4 | 87.3 | 30.7 | 66 | 37.2 | 1953 | - | | 23 | | 1969 |
| 18 | 78.6 | 25.9 | 88.7 | | 102 | | 1953 | _ | 1000 | 59 | 15.0 | 1960 |
| 19 | 78.6 | 0.00 | 88.9 | | 101 | 38.3 | 1953 | 68.3 | | 29 | | 1961 |
| 20 | 79.3 | 26.3 | 89.1 | 31.7 | 101 | 38.3 | 1953 | 69.5 | 20.8 | 90 | 15.6 | 1976 |
| 21 | 100 | 26.3 | 89.6 | | 100 | 37.8 | 1953 | 0.69 | | 26 | 13.3 | 1976 |
| 22 | 79.4 | 26.3 | 6 | 31.8 | 100 | 37.8 | | 69.5 | 1000 | 28 | | 1961 |
| 23 | 19.0 | 26.1 | 88.4 | 31.3 | 100 | 37.8 | | | 50.9 | 24 | | 1972 |
| 24 | 79.4 | 26.3 | 19.7 | 32.1 | 66 | 37.2 | 1953 | 69.1 | | 56 | 15.0 | 1974 |
| 25 | 79.0 | 26.1 | 88.1 | 31.2 | 86 | 36.7 | 1954 | 8.69 | | 65 | | 1974 |
| 26 | 78.8 | 26.0 | 88.1 | 31.2 | 104 | 40.0 | 1954 | 69.5 | 8002 | 57 | 13.9 | 1958 |
| 72 | 19.8 | 26.6 | 69.5 | 31.9 | 106 | 41.1 | 1954 | 70.1 | | 29 | | 1974* |
| 28 | 80.6 | 27.0 | 90.7 | 32.6 | 104 | 0.04 | 1952 | 70.5 | 21.4 | 29 | | 1970 |
| 53 | 80.9 | 27.2 | 91.5 | 33.1 | 100 | 37.8 | 1954 | 70.4 | The said | 19 | 16.1 | 1974 |
| 30 | 81.7 | 27.6 | 91.1 | 32,8 | 101 | 38.3 | 1953 | 72.2 | 22,3 | 63 | 17.2 | 1974 |
| 31 | | | | | | | | | | | | |
| Monthly | 78.2 | 23.7 | 88.0 | 31.1 | 106 | 41.1 | 1954 | 4.89 | 20.2 | 40 | 9.6 | 1972 |

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*ALSO ON EARLIER YEARS

976

MAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION NAME

MEMPHIS, TN.

STATION 93839

1945-1946 1949-1977

MONTH

JULY

AVERAGE

EXTREME MINIMUM TEMP

10.0

1954 1970 1954

38.9

102 102 66

EXTREME

AVERAGE

MEAN TEMP AVERAGE

DAY

7 e

MAXIMUM TEMP

37.2 38.3 40.0 38.9 37.8 37.2

90

0

32,4

90.8 90.3

27.1 26.9

80.4

4

90.1

102

32,1 32,6 32,8

90.6

27.0

80.6 81.2

9 1 œ 6

2

27.3

69

69

1959

4.4 9.61

968 972 972

21.4

21.4

10.0 71.4

1954

21.9 22,3

13.9

00 5

> 70.5 70.2

1969

37.8 37.8

37.2

32,8 32,6 32,3

90.6

27.2 26.8 26.7

81.0

80.3 80.1 80.4 81.2

10 = 12 13 4

90.1

1006

91.0

27.6

81.6

91.0

72.1

1977

19.6 15.0 62

1963

15.6

16.7 50

22.2

72.0

1966* 1974*

38.9

36.7

20.9

1.69

1954

40.0 37.8

38.3

32.8

90.1 91.4

81.1

91.0

27.3 27.3 27.4

91.1

56.9

14.4 1001 1001

1964 1964 1967 1967 1976

29

71.0

1954

36.7 39.4 37.8

32,8 32.9

91.0

91.3

89.4

27.0 27.3 27.5

80.6 81,2 81.5 81.9 81.2 81.1

16 17 18 19 20

81.4

15

72.4

1974

71.5

59

500

14.4 4.4 17.8

15.6

15.0

223.0

71.9

1958

35.6

96

32.5

90.3 90.7

27.3 27.3 27.4

91.3

27.7

5.61

976

1970 18.9

67

72.8 73.4 72.6 72.7

1952* 1945

1952

37.8 38.3

00

32.6

0

20.0

99

69 99

1952 1952 1952

41.1

901 90 0.5

90.5

28 53 30

102

32.6

90.7

38.3 38.9

0

0

32,7 32,2 32,2

89.9

27.6 27.4 27.6

81.6 81.3 81.7 82.2 81.6 81.2 80.6

25

56 27

80.08

27.7

81,8 81.3

22

23 24

21

90.0

38.3

40.6

97 86

957

962 962 962

8.9

1968

22,6

50

16.7

*ALSO ON EARLIER YEARS

901

DIRNAVOCEANMET-SMOS

Monthly

DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

1945-1946 1949-1977 YEARS

MONTH AUGUST

STATION NAME

MEMPHIS. TN.

93839 STATION

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| | MEAN TEMP | EMP | | | MAXIMUM LEMP | IVIL | | | | INITIAL INITIA | | |
|---------|-----------|------|---------|------|--------------|------|-------|---------|------|--|------|-------|
| | AVERAGE | GE | AVERAGE | GE | EXTREME | EME | | AVERAGE | 3E | EXTREME | ME | |
| DAY | ٠
١ | ၁့ | L. | ၁့ | L | ၁့ | DATE | ,
F | ၁့ | ٩, | ွ | DATE |
| 1 | 80.6 | 27.0 | 89.5 | | 86 | 36.7 | 1960 | 71.0 | 22.0 | | 15.6 | 1971 |
| 2 | 80.3 | 26.8 | 89.1 | 31.7 | 26 | 36.1 | 1960* | 71.5 | - | 29 | 16.7 | 1973 |
| 3 | 81.1 | 27.3 | 90.8 | 32.7 | 100 | 37.8 | 1954 | 71.4 | 21,9 | | 16.7 | 1977* |
| 4 | 81.0 | 27.2 | 91.1 | 32,8 | 100 | 37.8 | 1964 | 70.9 | 21.6 | | 15.0 | 1976 |
| 5 | 80.8 | 27.1 | 90.5 | 32.5 | 100 | 37.8 | 1956 | 71.1 | 21.7 | 09 | 15.6 | 1974 |
| 9 | 80.6 | 27.0 | 90.7 | | 102 | 38.9 | 1956 | 70.4 | 21,3 | 62 | 16.7 | 1966* |
| 7 | 80.4 | 26.9 | | 32,3 | 6 | 36.1 | 1956# | 70.7 | 21.5 | | 14.4 | 1976 |
| 8 | 80.2 | 26.8 | 89.7 | | 100 | 37.8 | 1956 | 70.7 | 21.5 | 55 | 12,8 | 1976 |
| 6 | 19.9 | 26.6 | | 31.9 | 16 | 36.1 | 1969* | 70.5 | 21.4 | | 12.2 | 1976 |
| 10 | 79.3 | 26.3 | | 31.8 | 46 | 36.1 | 1977 | 69.5 | 20.8 | 55 | 12.8 | 1976 |
| = | 79.5 | 26.4 | | 31.9 | 100 | 37.8 | 1954 | | 50.9 | | 13.9 | 1976 |
| 12 | 79.2 | 26.2 | 688. | 31.6 | 16 | 36.1 | 1954* | 69.5 | 20.8 | | 14.4 | 1961 |
| 13 | 79.0 | 26.1 | | 31.4 | 102 | 38.9 | 1954 | 4.69 | 20.8 | | | 1964 |
| 14 | 79.5 | 26.4 | 89.2 | 31.8 | 100 | 37.8 | 1956 | 8.69 | 21,0 | 53 | 12.8 | 1961 |
| 15 | 79.7 | 26.5 | 89.1 | 31.7 | 100 | 37.8 | 1953 | 70.2 | 21.2 | | | 1964* |
| 16 | 81.0 | 27.2 | 91.1 | 32,8 | 101 | 38.3 | 1954 | - | 21,7 | 57 | 13,9 | 1963 |
| 17 | 80.5 | 26.9 | 90.3 | 32.4 | 103 | 39.4 | 1954 | | 21.5 | 09 | 15.6 | 1964 |
| 18 | 79.9 | 26.6 | 89.8 | 32.1 | 96 | 36.7 | 1956* | 66.69 | 21,1 | 59 | | 1976 |
| 19 | 80.1 | 26.7 | .6 | 32,1 | 98 | 36.7 | 1954 | 70.4 | 21.3 | 63 | | 1964 |
| 20 | 79.1 | 26.2 | 6.88 | 31.6 | 86 | 36.7 | 1952 | | 20.7 | 69 | 17.2 | 1967* |
| 21 | 78.5 | 25.8 | 88.4 | 31.3 | 9.5 | 35.0 | 1972# | 68.6 | 20.3 | 59 | | 1961 |
| 22 | 78.4 | 25.8 | 87.9 | 31,1 | 96 | 35.6 | 1968 | 69.0 | 20.6 | 57 | 13.9 | 1956 |
| 23 | 77.7 | 25.4 | 0.78 | 30.6 | 16 | 36.1 | 1968 | 68.4 | 20.2 | 59 | 15.0 | 1956 |
| 24 | 78.5 | 25.8 | 87.9 | 31,1 | 86 | 36.7 | 1959 | | 20.6 | 29 | 16.7 | 1952 |
| 25 | 78.7 | 25.9 | | 31.7 | 97 | 36.1 | 1954 | 68.3 | 20.2 | 59 | 15.0 | 1966 |
| 26 | 78.7 | 25.9 | 0.68 | 31.7 | 46 | 36.1 | 1954 | 68.3 | | 56 | | 1958 |
| 27 | 78.6 | 25.9 | 89.0 | 31.7 | 66 | 37.2 | 1954 | 68.2 | 20.1 | 57 | 13.9 | 1945 |
| 28 | 78.6 | 25.9 | 89.7 | 32,1 | 104 | 40.0 | 1954 | 67.0 | 19.8 | 96 | 13.3 | 1967 |
| 29 | 78.6 | 25.9 | 88.5 | 31.4 | 101 | 38.3 | 1954 | 68.7 | 20.4 | 57 | | 1967 |
| 30 | 78.7 | 25.9 | 8 | 31.5 | 95 | 35.0 | 1977* | 68.7 | | 58 | - | 1976 |
| 31 | 78.7 | 25.9 | 89.1 | 31.7 | 26 | 36.1 | 1977 | 68.3 | 2002 | 57 | | 1961 |
| Monthly | | | | | | | | | | | | |

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

WAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

93839 MEMPHIS, TN.

STATION NAME

1945-1946 1949-1977

YEARS

SEPTEMBER

| | | DATE | 1967 | *4961 | 1952 | 1974 | 974 | 1953 | *896 | 986 | 986 | 916 | 916 | 946 | 1975 | 996 | *+961 | 1961 | 1961 | 1961 | 973 | 975 | 1975* | 953 | 4926 | 965 | 696 | 975 | 975 | 975 | 196 | 616 | | 975 |
|--------------|---------|----------------|------|-------|-------|------|---------|------|------|------|-------|------|------|------|------|------|-------|------|------|------|------|------|-------|------|-------|------|------|------|-------|------|------|------|----|---------|
| | | ွ | 8 | 6. | .2 | 7. | 80 | .2 | .3 | 6. | 6. | 9. | 4. | 4. | 6 | .2 | 9. | .3 | 12.2 | 6. | 6.3 | | 0 | + | 6. | .2 | .1 | .1 | + | 0 | 0 | 6.1 | | 4.4 |
| MINIMUM TEMP | EXTREME | °F. | 53 | 56 | 54 | 52 | 55 | 54 | 96 | 57 | 57 | 51 | 64 | 64 | 48 | 45 | 51 | 47 | 24 | 48 | 47 | 53 | 20 | 64 | 48 | 45 | 43 | 43 | 04 | 41 | 41 | 6.3 | | 04 |
| W | | ၁့ | 20.3 | 19.4 | 19.6 | 19.7 | 19.8 | 19.4 | 19.3 | 19.8 | 19.6 | 18.0 | 17.4 | 17.4 | 16.6 | 16.7 | 17.2 | 17.7 | 17.7 | 17.6 | 17.3 | 17.2 | 16.8 | 16.3 | 16.2 | 15.7 | 15,2 | 15,8 | 15.6 | 14.6 | 13.4 | 13.4 | | 17.4 |
| | AVERAGE | ٠
١ | 68.6 | 6.99 | 67.3 | 67.4 | 67.6 | 67.0 | 8.09 | 67.6 | 67.2 | 4.49 | 63.3 | 63.3 | 61.8 | 62.1 | 63.0 | 63.8 | 63.9 | 63.7 | 63.2 | 63.0 | 62.2 | 4.19 | | 60.2 | 59.4 | 60.5 | 0.09 | 58.2 | 50.2 | 50.5 | | 63.3 |
| | | DATE | 1991 | 1975 | 1975* | 1954 | 1954 | 1960 | 1960 | 1955 | 1955* | 1953 | 1953 | 1661 | 1954 | 1954 | 1954 | 1953 | 1953 | 1953 | 1954 | 1954 | 1955 | 1955 | *1961 | 1945 | 1954 | 1954 | 1954 | 1953 | 1953 | 1953 | | 1954 |
| • | E | ၁့ | | 36.7 | | | | | | | | | | | | | | | 36.1 | | | | 35.6 | 33.9 | 32.2 | 2 | 33.3 | 34.4 | 34.4 | 36.7 | 36.1 | 36.1 | | 40.0 |
| MAXIMUM TEMP | EXTREME | ш _o | 101 | 86 | 100 | 104 | 104 | 86 | 16 | 95 | 95 | 63 | 76 | 95 | 63 | 95 | 66 | 46 | 44 | 95 | 86 | 96 | 96 | 63 | 06 | 06 | 92 | 76 | 76 | 86 | 67 | 67 | | 104 |
| MA | E | ၁့ | 30.8 | 30.9 | 30.9 | 30.5 | 30.3 | 30.1 | 30.1 | 30.3 | 30.3 | 28.7 | 28.2 | 28.4 | 27.8 | 28.2 | 27.9 | 28.1 | 28.7 | 28.8 | 28.6 | 28.7 | 28.3 | 27.3 | 27.1 | 26.6 | 27.1 | 27.7 | 27.2 | 25.8 | 25.7 | 26.7 | | 28.6 |
| | AVERAGE | T. | 87.5 | 87.7 | 87.6 | 6.08 | | 86.2 | 86.1 | | • | | | 83.2 | | 82.7 | | | 83.7 | - | | 83.5 | 82.9 | 81.1 | 80.8 | 19.9 | 80.7 | 61.9 | 61.0 | 78.4 | 78.2 | 0.00 | | 83.4 |
| | | ى
° | 25.6 | 25.2 | 25.3 | 25.1 | 25.1 | 24.8 | 24.7 | 25.1 | 24.9 | 23.4 | 22.8 | 22.9 | 22.2 | 22.4 | 22.6 | 22.9 | 23.2 | 23.2 | 23.0 | 22.9 | 22.6 | 21.8 | 21.7 | 21.2 | 21.2 | 21.8 | 21.04 | 20.2 | 19.6 | 20.1 | | 23.0 |
| MEAN TEMP | AVERAGE | u. | 78.1 | 77.3 | 77.5 | 77.1 | 77.1 | 76.6 | 76.5 | 77.1 | 76.9 | 74.1 | 73.1 | 73,3 | 71.9 | 72.4 | 72.6 | 73.2 | 73.8 | 73.7 | 73.4 | 73.3 | 72.6 | 71.3 | 71.0 | 70.1 | 70.1 | 71.2 | 70.5 | 68.3 | 67.2 | 68.1 | | 73.3 |
| | | DAY | - | 2 | 3 | 4 | ro
L | 9 | 7 | 8 | 6 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | Monthly |

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*ALSO ON EARLIER YEARS

STATION

DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

93839 STATION

| 949-1977 | YEARS |
|-------------|------------|
| 1945-1946 1 | |
| | AME |
| N | STATION N. |
| MEMPHISA | |

MONTH

OCTUBER

| ## AVERAGE F. C. | | MEAN TEMP | EMP | | × | MAXIMUM TEMP | WP | | | Σ | MINIMUM TEMP | MP | |
|---|---------|------------|-------|---------|------|--------------|-------|-------|--------|------|--------------|------|-------|
| 0.5 0.5 <th>_</th> <th></th> <th>GE</th> <th>AVERA</th> <th>GE</th> <th>EXTRE</th> <th>ME</th> <th></th> <th>AVERAC</th> <th>36</th> <th>EXTREME</th> <th>ME</th> <th></th> | _ | | GE | AVERA | GE | EXTRE | ME | | AVERAC | 36 | EXTREME | ME | |
| 67.9 19.9 79.2 26.2 94 34.4 1953 56.7 13.7 67.2 19.8 78.6 25.9 91 32.8 1954 57.0 13.9 67.7 19.8 77.8 25.4 92 33.3 1954 56.7 13.9 66.0 18.9 76.2 24.6 92 33.3 1954 56.8 13.9 66.0 18.0 76.2 24.6 92 33.3 1954 56.8 13.6 66.0 18.0 76.4 25.4 92 33.1 1955 55.8 13.6 65.0 18.0 76.4 26.4 92 33.1 1955 55.8 13.6 65.0 18.0 76.4 89 31.1 1955 55.0 11.0 65.0 18.0 18.0 18.0 18.0 18.0 18.0 18.0 65.0 18.0 18.0 18.0 18.0 18.0 <t< th=""><th>DAY</th><th>L °</th><th>o°.</th><th>٠
٦°</th><th>၁့</th><th>٠
٦</th><th>၁့</th><th>DATE</th><th>₽°</th><th>၁့</th><th>,
F</th><th>ွ</th><th>DATE</th></t<> | DAY | L ° | o°. | ٠
٦° | ၁့ | ٠
٦ | ၁့ | DATE | ₽° | ၁့ | ,
F | ွ | DATE |
| 67.8 19.9 78.6 25.9 91 32.8 1954 97.0 13.9 67.7 19.8 79.0 25.4 93 32.8 1954 97.0 13.9 67.2 19.8 77.1 25.4 92 32.8 1954 97.0 13.6 65.0 18.8 76.2 25.4 92 33.3 1954 97.0 13.6 65.0 18.8 76.4 26.4 19.9 92.0 13.0 65.0 18.8 76.4 26.4 19.9 92.0 13.0 65.0 18.8 77.1 23.9 87 30.0 1975 95.2 13.0 65.0 18.8 77.1 23.9 87 30.0 1975 96.2 13.0 65.0 18.8 77.1 25.4 89 31.1 1963 96.8 13.0 65.0 18.8 27.2 19.0 32.0 10.0 32.0 10.0 | - | 67.9 | 19.9 | 79.2 | | 76 | 34.4 | 1953 | 56.7 | 3. | 63 | | 1976# |
| 67.7 19.8 79.0 26.1 93 33.9 1954 96.4 13.0 67.7 19.8 77.2 25.7 91 32.8 1954 96.4 13.0 66.0 18.0 77.2 25.4 92 33.3 1954 96.4 13.0 65.1 18.4 76.4 25.4 92 33.1 1959 52.8 12.1 65.1 18.4 76.4 24.7 89 31.1 1949 92.1 12.1 65.1 18.4 76.4 24.7 89 31.1 1949 92.1 12.1 65.4 18.4 76.4 24.7 89 31.1 1949 92.1 12.1 65.4 18.4 26.4 87 30.4 1973 92.0 11.1 65.4 18.4 27.1 18.9 31.1 1953 49.4 12.1 65.4 18.4 18.4 31.1 1953 49.4 <t< td=""><td>2</td><td>67.8</td><td>19.9</td><td>78.6</td><td>25.9</td><td>16</td><td>32.8</td><td>1954</td><td>57.0</td><td>3.</td><td>39</td><td>3.9</td><td>1975</td></t<> | 2 | 67.8 | 19.9 | 78.6 | 25.9 | 16 | 32.8 | 1954 | 57.0 | 3. | 39 | 3.9 | 1975 |
| 67.7 19.8 78.3 25.7 91 32.8 1954 57.1 13.9 65.7 18.2 76.2 25.4 92 33.3 1954 59.5 13.9 65.7 18.4 76.2 26.7 89 31.1 1955 59.8 13.1 65.7 18.4 76.4 26.7 89 31.1 1969 59.7 12.1 65.7 17.4 26.7 89 31.1 1969 52.3 11.8 65.0 18.8 77.7 25.4 89 31.1 1969 52.3 11.8 65.0 18.8 77.7 25.4 89 31.7 1969 56.3 11.8 65.0 18.8 77.7 25.4 89 31.7 1969 56.8 12.7 65.0 18.8 77.7 25.4 89 31.7 1963 46.6 70.2 65.0 18.1 18.2 10.2 10.2 | 3 | 67.7 | 19.8 | 79.0 | 26.1 | 63 | 33.9 | 1954 | 56.4 | 3. | 35 | 1.7 | 1975 |
| 67.2 19.6 77.8 25.4 92 33.3 1954 56.5 13.6 65.0 18.9 17.7 79.9 23.3 1954 55.8 13.2 63.1 18.4 76.4 24.7 89 31.1 1949 53.8 13.2 63.7 17.4 24.7 24.7 89 31.7 1949 53.8 11.3 65.0 18.6 76.4 24.7 89 31.7 1949 53.8 11.3 65.0 18.6 76.4 24.7 89 31.7 1949 52.8 11.3 65.0 18.6 18.8 77.7 25.4 89 31.1 1945 54.9 12.1 65.0 18.6 18.6 77.7 25.4 89 31.1 1953 46.2 12.3 60.8 18.6 18.6 18.6 18.7 19.6 18.6 18.6 60.8 18.7 18.7 19.5 | 4 | 67.7 | 19.8 | | 25.7 | 16 | 32.8 | 1954 | 57.1 | 13.9 | 40 | 4.4 | 1974 |
| 66.0 18.9 76.2 24.6 89 31.7 1955 55.6 13.2 1 63.0 17.7 75.4 23.3 85 32.6 1949 53.8 12.1 1 64.2 17.4 75.1 23.2 87 30.6 1949 53.8 12.1 1 64.2 17.5 76.4 24.7 89 31.7 1959 52.8 11.2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 2 | 67.2 | 19.6 | | 25.4 | 92 | 33.3 | 1954* | 56.5 | 13.6 | 04 | 4.4 | 1961 |
| 63.7 17.7 79.9 23.3 85 29.4 1949 59.8 12.1 10.2 1 18.4 76.4 24.7 86 31.1 1949 59.7 12.1 12.1 10.2 1 17.6 75.1 23.9 87 31.1 1949 59.7 12.1 10.2 1 17.6 76.4 24.7 89 31.1 1959 52.0 11.0 1 10.2 1 17.6 76.4 24.7 89 31.1 1959 52.0 11.0 1 10.0 10.0 10.0 1 10.0 10.0 | 9 | 0.99 | 18.9 | 76.2 | 24.6 | 68 | 31.7 | 1955 | 5. | 13.2 | 39 | 3.9 | 1964 |
| 65.1 18.4 76.4 24.7 86 31.1 1949 53.7 12.1 63.7 17.6 75.1 23.9 87 30.6 1973# 52.3 11.3 65.0 17.8 25.6 91 32.2 1975 52.3 11.9 65.0 18.8 77.1 25.6 91 32.2 1975 52.3 11.9 65.9 18.8 77.1 25.6 90 32.2 1975 54.8 12.9 65.9 18.8 77.1 25.6 89 31.1 1963 54.8 12.9 65.0 18.8 77.1 25.6 89 31.1 1963 54.8 12.7 65.0 18.8 77.1 25.6 89 31.1 1953 49.8 10.3 60.8 18.3 18.3 18.3 18.3 18.3 49.8 10.3 60.8 18.3 18.3 18.3 18.3 18.3 < | 7 | 63.9 | 17.7 | 73.9 | | 85 | 29.4 | 1949 | 3. | | 34 | 1.1 | 1964 |
| 63.7 17.6 75.1 23.9 87 30.6 1973* 52.9 11.9 65.9 18.8 76.4 24.7 89 31.7 1959 32.9 11.9 65.9 18.8 77.7 25.8 90 32.2 1975 56.9 13.1 65.9 18.8 77.7 25.8 89 31.7 1963 54.9 12.3 65.9 18.8 77.7 25.6 89 31.7 1963 54.9 12.3 65.9 18.8 77.7 25.6 89 31.7 1963 54.9 12.3 61.5 16.4 74.0 23.3 89 31.7 1963 56.9 11.9 50.4 16.3 73.6 22.2 89 31.1 1953 40.4 40.9 10.3 50.4 16.3 73.2 22.6 88 31.1 1953 40.4 40.9 10.3 50.4 16.3 <td< td=""><td>8</td><td>65.1</td><td>18.4</td><td>76.4</td><td></td><td>88</td><td>31.1</td><td>1949</td><td>53.7</td><td>1201</td><td>41</td><td>5.0</td><td>19861</td></td<> | 8 | 65.1 | 18.4 | 76.4 | | 88 | 31.1 | 1949 | 53.7 | 1201 | 41 | 5.0 | 19861 |
| 64.2 17.9 76.4 24.7 89 31.7 1989 92.0 11.1 65.9 18.8 78.4 25.8 91 32.8 1975 58.9 11.8 65.9 18.8 77.7 25.4 89 31.7 1963 54.8 12.7 65.9 18.8 77.7 25.4 89 31.7 1963 54.8 12.7 65.9 18.8 77.7 25.4 89 31.1 1963 54.8 12.7 60.4 17.0 25.1 89 31.1 1963 54.8 12.7 60.4 16.7 74.0 23.1 89 31.1 1953 49.1 9.2 50.4 15.1 15.3 15.3 15.3 40.4 10.9 10.9 50.4 15.1 15.3 40.4 10.9 10.9 10.9 10.9 50.4 15.3 15.3 15.3 40.4 10.9 10.9 | 6 | 63.7 | 17.6 | 75.1 | 3 | 87 | 30.6 | 1973# | 52.3 | | 37 | | 1976 |
| 65.9 18.8 77.7 25.8 91 32.8 1975 53.3 11.8 65.9 18.8 77.7 25.4 89 32.2 1975 54.9 12.7 65.9 18.8 77.7 25.4 89 31.1 1963 54.8 12.7 65.9 18.8 77.1 25.1 88 31.1 1953 49.1 11.6 60.4 15.8 77.1 25.1 89 31.1 1953 49.1 11.6 60.4 15.8 77.1 25.2 89 31.1 1953 49.1 9.5 10.3 10.3 10.3 10.3 10.3 10.3 10.3 10.3 | 10 | 64.2 | 17.9 | 76.4 | | 68 | 31.7 | 1959 | 2. | 1101 | | | 1976 |
| 66.6 19.2 77.7 25.4 89 31.7 1963 54.9 12.7 65.9 18.8 77.7 25.4 89 31.7 1963 54.9 12.7 65.9 18.8 77.7 25.4 89 31.1 1963 54.8 12.7 62.0 17.0 23.5 85 23.2 1953 46.2 12.7 60.8 15.1 77.0 22.5 89 32.2 1953 46.6 9.2 60.4 15.1 77.0 22.5 89 31.1 1953 46.6 9.2 50.4 15.1 77.4 22.6 88 31.1 1953 46.6 9.2 50.4 15.1 15.2 22.6 88 31.1 1953 46.6 9.7 50.4 15.1 15.2 22.6 89 31.1 1953 46.6 9.7 50.4 15.2 22.6 83 28.3 1973 <td>11</td> <td>6.50</td> <td>18.8</td> <td>78.5</td> <td>_</td> <td>16</td> <td>32.8</td> <td>1975</td> <td></td> <td>11.8</td> <td></td> <td>3.9</td> <td>1976#</td> | 11 | 6.50 | 18.8 | 78.5 | _ | 16 | 32.8 | 1975 | | 11.8 | | 3.9 | 1976# |
| 65.9 18.8 77.7 25.4 89 31.7 1963 54.2 12.3 65.0 17.0 74.3 23.5 88 31.1 1963 54.8 12.7 62.0 16.7 73.6 23.1 87 30.6 1971* 50.5 10.8 60.8 16.1 73.0 22.2 89 31.7 1953 49.1 90.5 50.4 15.1 73.4 22.2 88 31.1 1953 40.4 8.0 61.4 16.3 73.4 23.0 88 31.1 1953 40.4 8.0 61.5 14.4 69.2 20.7 83 28.3 1973* 40.0 7.8 61.5 14.1 69.2 20.7 83 28.3 1973* 40.0 7.8 61.5 14.1 69.2 20.7 83 28.3 1973* 40.0 7.8 61.5 14.1 69.2 20.7 83 28.3 1973* 40.0 7.8 61.5 14.1 69.2 20.7 83 28.3 1973* 40.0 7.8 61.5 14.1 69.2 20.7 83 28.3 1973* 40.0 7.8 61.5 14.1 69.2 20.7 83 28.3 1973* 40.0 7.8 61.5 14.1 69.2 20.7 83 28.3 1973* 40.0 7.8 61.5 14.1 69.2 20.7 83 28.3 1973* 40.0 7.8 61.5 14.0 69.2 20.7 83 28.3 1973* 40.0 7.8 61.5 14.0 69.2 20.7 83 28.3 1973* 40.0 7.8 61.5 14.0 69.2 20.7 83 28.3 1973* 40.0 7.8 61.5 14.0 69.2 20.7 83 28.3 1973* 40.0 7.8 61.5 14.0 69.0 20.0 80 20.0 1961 40.0 80.0 7.8 61.5 14.0 69.0 20.0 80 20.0 1961 40.0 80.0 7.8 61.5 14.0 69.0 20.0 80 20.0 1961 40.0 80.0 1961 40.0 80.0 10.0 10.0 10.0 10.0 10.0 10.0 1 | 12 | 9.99 | 19.2 | 78.4 | | 90 | 32.2 | 1975 | | • | | 2.8 | 1977 |
| 65.9 18.8 77.1 25.1 88 31.1 1963 54.8 12.7 62.0 17.0 73.0 23.1 87 30.6 1971* 50.5 10.3 61.5 16.4 74.0 23.1 87 30.6 1971* 50.5 10.3 60.8 16.1 73.0 22.6 89 31.1 1953 46.6 9.2 58.5 15.1 71.9 22.2 88 31.1 1953 46.6 9.2 60.4 15.8 72.7 22.6 88 31.1 1953 46.4 8.0 61.4 16.3 73.4 23.0 88 31.1 1953 46.4 8.0 61.4 16.3 73.2 22.9 83 28.3 1973* 49.4 9.7 59.2 15.1 69.5 20.8 82 29.4 1973 46.4 9.7 50.2 15.1 69.2 20.7 83 28.3 1973* 46.0 7.8 50.2 13.4 67.2 20.7 83 28.3 1973* 46.0 7.8 50.2 13.4 67.3 19.6 87 28.3 1971* 45.6 7.6 50.1 13.3 66.4 19.1 84 28.9 1971* 45.6 7.6 50.1 14.5 68.7 20.4 81 27.2 1971* 47.6 8.0 | 13 | 65.9 | 18.8 | 77.7 | | 89 | 31.7 | 1963 | 4. | | 34 | 1.1 | 1977 |
| 63.6 17.6 74.3 23.5 85 29.4 1975* 52.6 11.6 61.5 16.5 73.6 23.1 87 30.6 1971* 50.5 110.3 60.8 16.3 73.0 22.6 89 31.1 1953 46.2 7.9 59.1 15.1 71.9 22.2 88 31.1 1953 46.2 7.9 60.4 15.3 73.4 22.2 88 31.1 1953 46.2 7.9 61.4 16.3 73.4 23.0 88 31.1 1953 46.2 7.9 61.4 16.3 73.4 23.0 88 31.1 1953 46.4 9.7 61.4 16.3 73.2 22.2 88 31.1 1953 46.4 9.0 57.2 14.3 14.4 14.2 20.6 83 22.6 1973 46.4 9.0 57.2 14.3 14.3 14.3 | 14 | 65.9 | 18.8 | 77.1 | 5 | 88 | 31.1 | 1963 | | | 37 | | 1977 |
| 62.0 16.7 73.6 23.1 87 30.6 1971* 50.5 10.3 61.5 16.4 74.0 23.3 89 31.7 1953 49.1 9.2 50.8 16.5 73.0 22.6 89 31.1 1953 46.6 9.2 59.1 15.1 71.9 22.2 88 31.1 1953 46.6 7.9 61.4 16.3 73.4 23.0 88 31.1 1953 49.4 9.7 61.4 16.3 73.4 23.0 88 31.1 1953 49.4 9.7 61.4 16.3 73.4 23.0 83 28.3 1973 49.4 9.9 57.7 14.3 69.2 20.4 83 28.3 1973 40.4 9.3 57.4 14.1 69.2 20.7 83 28.3 1973 40.4 7.6 56.0 13.4 19.1 84 28.9 | 15 | 63.6 | 17.6 | 74.3 | 23.5 | 85 | 29.4 | 1975* | 52.8 | | 39 | 3.9 | 1969 |
| 61.5 16.4 74.0 23.2 89 31.7 1953 49.1 9.5 60.8 16.3 73.0 22.6 85 29.4 1953 46.2 7.9 59.1 15.1 70.8 21.0 65 29.4 1953 46.2 7.9 59.1 15.1 73.2 22.2 88 31.1 1953 46.4 9.7 61.4 15.3 73.4 23.0 88 31.1 1953 46.4 9.7 61.3 16.3 73.4 23.0 88 31.1 1953 49.4 9.7 61.3 16.3 73.2 22.9 83 28.3 1973 49.4 9.7 57.7 14.4 69.6 20.7 83 28.3 1973 46.7 7.6 56.2 13.4 67.4 20.4 83 28.3 1971 45.6 7.6 56.2 14.0 68.0 20.4 19.1 | 16 | 62.0 | 16.7 | 73.6 | 23.1 | 87 | 30.6 | 1971* | 50.5 | | 35 | | 1952 |
| 60.8 16.0 73.0 22.6 90 32.2 1953 46.6 90.2 59.1 15.1 70.8 21.6 65 29.4 1953 46.2 7.9 59.1 15.1 72.7 22.6 88 31.1 1953 46.4 8.0 60.4 15.8 73.4 22.6 88 31.1 1953 46.4 9.7 61.4 16.3 73.4 22.6 88 31.1 1953 46.4 9.7 61.4 16.3 73.4 22.6 88 31.1 1953 46.4 9.7 59.2 15.1 20.6 83 28.3 1973 46.4 9.7 57.7 14.3 69.4 20.7 83 28.3 1973 46.0 7.6 56.2 13.4 67.2 20.7 83 28.3 1971 45.6 7.6 56.2 13.4 19.1 84 28.9 1971 | 17 | 61.5 | 16.4 | 74.0 | 3. | 68 | 31.7 | 1953 | | • | 36 | 2.2 | 1977* |
| 58.5 14.7 70.8 21.6 65 29.4 1953 46.2 7.9 50.4 15.8 72.7 22.2 88 31.1 1953 46.4 8.0 61.4 16.3 73.4 22.0 88 31.1 1953 46.4 8.0 61.4 16.3 73.2 22.9 83 28.3 1973 46.2 9.7 61.4 16.3 73.2 22.9 83 28.3 1973 46.8 9.0 57.7 14.4 69.2 20.7 83 28.3 1973 46.0 7.6 57.4 14.1 69.2 20.7 83 28.3 1973 46.0 7.6 56.2 13.4 67.4 19.1 84 28.3 1971 45.6 7.6 56.2 13.4 67.4 19.1 84 28.9 1971 45.6 7.6 56.0 13.3 66.4 19.1 84 28.9 1971 45.6 7.6 56.1 14.0 68.0 20.0 86 30.0 1961 46.4 8.7 58.1 14.0 68.7 20.4 81 27.2 1971 | 18 | 8009 | 16.0 | 73.0 | ~ | 90 | 32.2 | 1953 | 48.6 | | 35 | 1.7 | 1976 |
| 59-1 15-1 71-9 22-2 88 31-1 1953 46-4 8-0 61-4 16-3 72-7 22-6 88 31-1 1953 46-4 9-0 61-4 16-3 73-4 23-0 88 31-1 1953 46-4 9-0 61-3 16-3 73-2 22-9 83 28-3 1973 46-8 9-0 57-2 14-4 69-2 20-6 83 28-3 1973 46-8 9-0 57-4 14-1 69-2 20-7 83 28-3 1973 46-0 7-6 56-2 13-4 67-6 87 20-6 87 20-6 19-7 46-0 7-6 56-0 13-3 19-6 87 20-6 1973 46-0 7-6 56-0 13-3 19-6 87 20-6 1973 46-0 7-6 56-0 13-3 19-6 87 20-6 19-1 | 19 | 58.5 | 1.4.7 | 70.8 | - | 85 | 29.4 | 1953 | | | 36 | 2.2 | 1975 |
| 60.44 15.8 72.7 22.6 88 31.1 1953 48.2 9.0 61.4 16.3 73.4 23.0 88 31.1 1953 49.4 9.7 61.3 16.3 73.2 22.9 83 28.3 1973 49.4 9.7 57.2 14.4 69.2 20.7 83 28.3 1973 46.8 9.3 57.4 14.1 69.2 20.7 83 28.3 1973 46.0 7.6 56.2 13.4 67.6 87 30.6 1971 45.6 7.6 56.2 13.4 19.1 84 28.9 1971 45.6 7.6 56.0 13.3 66.4 19.1 84 28.9 1971 45.6 7.6 56.1 14.0 68.0 20.0 86 30.0 1961 46.4 8.7 58.1 14.0 68.7 20.4 81 27.2 1971 | 20 | 59.1 | 15.1 | 71.9 | | 88 | 31.1 | 1953 | - | | 59 | | 1976 |
| 61.4 16.3 73.4 23.0 88 31.1 1953 49.4 9.7 61.3 16.3 73.2 22.9 83 28.3 1973 49.8 9.6 57.2 15.1 69.2 20.7 83 28.3 1973 49.8 9.6 57.7 14.4 69.2 20.7 83 28.3 1973 46.0 7.6 56.2 13.4 67.2 20.7 83 28.3 1971 45.6 7.6 56.2 13.4 19.6 87 30.6 1971 45.6 7.6 56.2 13.3 66.4 19.1 84 28.9 1971 45.6 7.6 56.2 14.0 68.0 30.0 1961 46.4 8.0 56.1 14.0 68.7 20.4 81 27.2 1971 45.6 7.6 58.1 14.0 19.1 20.0 86 30.0 1971 47.6 | 21 | 4.09 | 15.8 | 72.7 | | 88 | 31.1 | - | 48.2 | • | 28 | -2.2 | 1976 |
| 61.3 16.3 73.2 22.9 83 28.3 1973* 49.3 9.6 59.2 15.1 69.5 20.8 85 29.4 1973 48.8 9.3 57.9 14.4 69.2 20.7 83 28.3 1973 46.7 8.2 57.4 14.1 69.2 20.7 83 28.3 1973 46.0 7.6 56.2 13.4 67.3 19.6 87 30.6 1971 45.6 7.6 56.0 13.3 66.4 19.1 84 28.9 1971 45.6 7.6 57.2 14.0 68.0 20.0 86 30.0 1961 46.4 8.0 58.1 14.5 68.7 20.4 81 27.2 1971 47.6 8.7 58.1 14.5 68.7 20.4 81 27.2 1971 47.6 8.7 | 22 | 61.4 | 16.3 | 73.4 | | 88 | 31.1 | 5 | 40.64 | | | -0.6 | 1952 |
| 59.2 19.1 69.2 20.8 85 29.4 1973 48.8 9.3 57.7 14.4 69.2 20.7 83 28.3 1973 46.7 8.2 57.7 14.1 69.2 20.6 82 27.8 1973 46.0 7.8 56.2 13.4 67.3 19.6 87 30.6 1971 45.6 7.6 56.0 13.3 66.4 19.1 84 28.9 1971 45.6 7.6 56.0 13.3 66.4 19.1 84 28.9 1971 45.6 7.6 57.2 14.0 68.0 20.0 86 30.0 1961 46.4 8.0 58.1 14.5 58.7 20.4 81 27.2 1971 47.0 8.7 | 23 | | 16.3 | 73.2 | 2 | 83 | 28.3 | | 49.3 | | 33 | 0.0 | 1952 |
| 57.7 14.4 69.2 20.7 83 28.3 1973 46.7 8.2 57.7 14.1 69.4 20.6 82 27.8 1973* 46.0 7.6 56.2 13.4 67.3 19.6 87 30.6 1971 45.6 7.6 56.0 13.3 66.4 19.1 84 28.9 1971 45.6 7.6 57.2 14.0 68.0 86 30.0 1961 46.4 8.0 58.1 14.5 58.7 20.4 81 27.2 1971 47.6 8.7 | 24 | | 15.1 | | 20.8 | 35 | 29.4 | | | | 36 | 2.2 | 1962* |
| 57.7 14e.3 69e.4 20e.8 82 27.8 1973* 46e.0 7.6 56.2 13.4 69e.2 20e.7 83 28e.3 1971* 45e.6 7.6 56.0 13.3 66e.4 196.1 84 28e.9 1971 45e.6 7.6 57.2 14e.0 68e.0 20e.0 86 30e.0 1961 46e.4 8e.0 58.1 14e.0 68e.7 20e.4 81 27e.2 1971* 47e.4 8e.7 46.1 46e.4 81 27e.2 1971* 47e.4 8e.7 | 25 | | 14.4 | - | | 83 | 28.3 | 1973 | 46.7 | | 33 | 9.0 | 1965 |
| 57.4 14.1 69.2 20.7 83 28.3 1971* 45.6 7.6 56.2 13.4 67.3 19.6 87 30.6 1971 45.2 7.3 56.0 13.3 66.4 19.1 84 28.9 1971 45.6 7.6 57.2 14.0 68.0 20.0 86 30.0 1961 46.4 8.0 58.1 14.5 68.7 20.4 81 27.2 1971* 47.6 8.7 40.4 81 27.2 1971* 47.6 8.7 | 26 | 57.7 | 14.3 | 6 | 20.8 | 82 | 27.8 | 1973* | 46.0 | | | 9.0- | 1972 |
| 56.2 13.4 67.2 19.6 87 30.6 1971 45.2 7.9 56.0 13.3 66.4 19.1 84 28.9 1971 45.6 7.6 57.2 14.0 68.0 20.0 86 30.0 1961 46.4 8.0 58.1 14.5 68.7 20.4 81 27.2 1971 47.6 8.7 4.2 1.0 1.0 1.0 1.0 1.0 1.0 1.0 | 27 | 57.4 | 14.1 | 6 | 20.7 | 83 | 28.3 | 1971* | 45.6 | • | | 0.0 | 1957 |
| 56.0 13.3 56.4 19.1 84 28.9 1971 45.6 7.6 57.2 14.0 68.0 20.0 86 30.0 1961 46.4 8.0 58.1 14.5 68.7 20.4 81 27.2 1971 47.6 8.7 4.2 1.6 1.0 1.0 1.0 1.0 1.0 1.0 | 28 | 56.2 | 13.4 | - | | 87 | 30.08 | | 45.2 | • | 30 | -1.1 | 1957 |
| 57.2 14.0 68.0 20.0 86 30.0 1961 46.4 8.0
58.1 14.5 68.7 20.4 81 27.2 1971# 47.6 8.7 | 29 | 56.0 | 13.3 | 9 | 19.1 | 84 | 28.9 | | 45.6 | | 28 | -2.2 | 1952 |
| 58-1 14-5 68-7 20-4 81 27-2 1971+ 47-6 8-7 3 | 30 | 57.2 | 14.0 | | 20.0 | 98 | 30.0 | 1961 | 4004 | | 35 | 0.0 | 1953 |
| C 9-01 0 14 6 10 17 70 C 26 10 60 71 7 67 | 31 | 58.1 | 16.5 | 8 | 20.4 | 81 | 27.2 | 1971# | 7. | | | 1.1 | 1976* |
| 3 0000 007C C247 909C 40 20C) 1007 4070 | Monthly | 62.4 | 16.9 | 73.8 | 23.2 | 76 | 34.4 | 1953 | 51.0 | 10.6 | 28 | -2.2 | 1976# |

0

0

0

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

976

1991

WAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

1945-1946 1949-1977

MONTH NOVEMBER

STATION NAME

MEMPHIS, TN.

STATION 93839

AVERAGE

EXTREME MAXIMUM TEMP

AVERAGE

68.2

S

DAY

MEAN TEMP AVERAGE

EXTREME MINIMUM TEMP

42.9

1974*

27.8

1974

1971

1956

25.6 25.0

16.0

61.7 60.8 62.0 62.3

11.3

56.8 52.3 10.9 11.3

51.6

4 2 9

52.4 51.8 51.6

1.9

1951

-3.6

-3.3 -6.1 -3.3

916 956 916

5,2 1 9

> 1977* 1969*

2

26 22 24 25

> 42.5 40.0 39.0 39.6

> > 1966*

23.9 25.0

16.8

1975

26.1

5

17.1

02.8 62.3

10.9 10.4

50.7

51.7

60.7

11.0 10.9

1954

23.9

20

16.8 15.9 1949

-5.6 -3,3 4.4-25

1961*

-3,3

960

-3.9 4.4-

26

5,8 4.9 8.9

42.5

1955

41.2

1954*

25.0

28.3 26.1

7 53

25.6

17.3

63.2

11.2 11.9

50.8 52.2 53.4

62.1

10.4

10 = 12

6

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64.2 64.0

-3.3

968

4.4-4.4-4.4--6.7

43.6

1964 1958

26.7

80

18.3

65.2

12.6 11.8

63.8 61.1

62.1

11.6

52.8

15 16

0

12.1

53.7

13

14

5.8

45.4

1958

27.8

75

16.2

58.9 58.5

> 9.6 9.6 9.2

49.3

19

49.2

2

9.8

11.0

51.8

17 18

49.7

53,3

23.9

27.2

8

40.5 39.0 38.6 38.1

23

-7.2

-5.0

-3.9

1.9-

52 50

3.9

1974* 1966*

23.9

22.8

1965 1974

22.2 23.9

75

14.0 14.4

57.2

8.7

48.6

22

21

58.0

14.8

58.6

15.2

59.4

3.7

1959

1961

1970

.8.9

00

-7.2

-8.9

16

4.1

38.9 39.3

1973

24.4

38.6

1965 1965

23.9 27.8

26.7

80

75

13.6

56.5 58.9 15.4

1.65 56.7

9.7

6.6

48,8

40.4

47.9

24

23

25

56 27

39.1 38.9 34.7

1970*

1960

23.9

10.8

50.6

52.0

6.3

43.3

8 29

22

975* 976

1111

-8.9

1970*

9

4.7

40.5

1955

28.3

8

15.8

4.09

10.3

50.5

Monthly

30 31

'ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

MEMPHIS. TN. STATION NAME

93839 STATION

DAILY AVERAGE/EXTREME TEMPERATURES

1945-1946 1949-1977

MONTH DECEMBER

| AVERAGE AVE | | MEAN TEMP | MP | | MA | MAXIMUM TEMP | ΛP | | | Σ | MINIMUM TEMP | ИР | |
|--|--------|-----------|-----|-------|------|--------------|------|-------|--------|------|--------------|--------|-------|
| 46.4 6.0 <th>L_</th> <th>AVERAC</th> <th>3.6</th> <th>AVERA</th> <th>GE</th> <th>EXTRE</th> <th>ME</th> <th></th> <th>AVERAG</th> <th>E</th> <th>EXTRE</th> <th>ME</th> <th></th> | L_ | AVERAC | 3.6 | AVERA | GE | EXTRE | ME | | AVERAG | E | EXTRE | ME | |
| 44.2 6.6 54.2 12.6 71 21.7 1970 34.2 12.2 17 21.7 1970 34.2 12.2 12.9 71 22.8 1970 39.9 4.4 2.0 | AY | H ° | ၁့ | LL ° | ပ္ | L. | | DATE | ¥° | ၁့ | 9° | ွ | DATE |
| 46.4 8.0 55.2 12.9 71 21.7 1970 37.6 3.1 20 | - | 44.2 | 6.8 | | 12.4 | 7.1 | 21.7 | 1970* | | • | 1.1 | | 1964 |
| 48.8 9.2 57.8 145.3 73 22.8 1970* 38.9 46.4 23 =5.0 46.4 46.4 46.4 86.5 57.7 144.3 73 22.8 1975* 37.8 26.9 26.9 26.9 27.8 27 | 2 | 40.4 | 8.0 | 55.2 | . • | 7.1 | 21.7 | 1970 | | 3.1 | | | 1960 |
| 47.5 8.6 57.7 14.3 71 21.7 1975 37.4 29.6 20.6 20.6 20.6 20.6 20.6 20 | 3 | 48.8 | 9.3 | 57.8 | | 73 | 22.8 | 1970* | | | | | 1976 |
| 46.8 8.2 26.2 13,4 72 22.2 1975 37.4 34.9 24 34.9 24 34.9 24 34.9 24 34.9 24 34.9 24.4 34.9 1.6 27 22.2 1951 36.9 1.6 20 26.7 22.2 1952 35.2 1.6 20 20.6 20.6 1952 35.2 1.6 20 20.6 20.6 1952 35.2 1.6 20 20.6 20.6 10.2 20.6 10.2 20.6 10.2 20.6 10.7 20.2 10.7 30.2 10.7 20.6 10.7 20.6 10.7 20.6 10.7 20.6 10.7 20.6 10.7 20.6 10.7 20.6 10.7 20.6 10.7 20.6 10.7 20.7 10.7 20.7 10.7 20.7 10.7 20.7 10.7 20.7 10.7 20.7 10.7 20.7 10.7 20.7 10.7 20.7< | 4 | 47.5 | 8.6 | 57.7 | | 7.1 | 21.7 | 1977 | | | | | 1974 |
| 44.9 7.2 53.0 11,7 7.6 24.4 1951 36.8 2.7 2.2 4.9 2.6 1951 36.9 2.7 2.2.6 1951 36.9 2.7 2.2.6 1952 36.9 1.6 2.0 | 2 | 46.8 | 8.2 | 56.2 | | 72 | 22.2 | 1975# | | | | 4.4- | 1974 |
| 43.1 66.2 91.3 10.7 72 22.2 1951 34.9 1:6 20 —6.1 43.4 51.4 91.6 10.9 72 22.2 1952 33.6 0.9 10.9 73 22.2 1952 33.6 0.9 10.9 75 22.2 1971 34.3 1.9 20 —6.1 42.4 5.6 40.4 10.9 75 22.2 1971 34.3 10.9 10.9 75 22.2 1974 34.7 1.5 10 —12.2 42.4 5.6 40.2 10.2 75 22.2 1974 34.7 1.5 10 —12.2 39.5 40.2 40.2 70 21.7 1975 31.3 10 —12.2 39.1 30.2 40.2 20.2 10.7 31.2 —11.1 10 —12.2 39.1 30.2 30.2 30.2 30.2 30.2 30.2 30.2 30.2 3 | 9 | 6.44 | 7.2 | 53.0 | | 16 | 24.4 | 1981 | | | | -5.6 | 1972 |
| 43.4 64.3 51.6 10.9 69 20.6 1952 35.2 1.6 23.6 0.9 21.6 10.9 21.6 10.9 22.2 1952 33.6 0.9 21.6 10.9 21.6 10.9 21.6 10.9 21.6 10.9 21.6 10.9 21.6 10.9 21.6 10.9 21.6 10.9 21.6 10.9 21.6 10.9 21.6 10.9 21.6 10.9 21.6 10.9 21.6 10.9 21.6 10.9 21.6 20.0 10.9 20.0 | 7 | 43.1 | 6.2 | 51.3 | | 72 | 22.2 | 1991 | | 1.6 | | -6.7 | 1977* |
| 41.4 5.2 49.2 1952 33.6 0.9 21 | 80 | 43.4 | 6.3 | 1. | | 69 | 20.6 | 1952 | | 1.8 | | -5.0 | 1976* |
| 42.6 9.8 50.6 10.3 73 22.8 1971 34.3 1.9 16.8 16. | 6 | 41.4 | 5.2 | 5 | | 72 | 22,2 | 1952 | | 6.0 | | 1.0- | 1976* |
| 42.4 5.8 50.0 10.0 75 23.0 1949 34.7 1,5 10 -12.2 39.6 4.2 50.4 10.2 68 20.0 1975 34.8 1,6 4 -15.6 39.8 4.2 4.8 6.4 10.2 68 7.1 21.7 1975 31.8 4 -15.6 39.8 4.2 48.0 8.9 7.1 21.7 1975 31.8 1.6 4 -15.6 39.1 3.6 40.0 18.9 1977 32.8 0.6 18 1977 32.8 0.6 1.0 0.0 1.0 -10.0 1.0 | 10 | 42.5 | 5.8 | 0 | | 73 | 22.8 | 1971 | | | 16 | -8.9 | 1977 |
| 42.6 5.9 50.4 10,2 68 20.0 1975* 34.8 1,6 4 -15.6 1 42.6 1,6 4 74 23.3 1967 31.8 -0.1 4 -15.6 1 4 -15.6 1 4 -15.6 1 4 -15.6 1 4 -15.6 1 4 -15.6 1 4 -15.6 1 4 -15.6 1 4 -15.6 1 4 -15.6 1 4 -15.6 1 4 -15.6 1 4 -15.6 1 4 -15.6 1 4 -15.6 1 1 4 -15.6 1 4 -15.6 1 4 -15.6 1 4 -15.6 1 4 -15.6 1 4 -15.6 1 4 -15.6 1 4 -15.6 1 4 -15.6 1 4 -15.6 1 4 -15.6 1 | 11 | 45.4 | 5.8 | 0 | | 75 | 23.9 | 1949 | | 1.5 | 01 | 12. | 1962 |
| 39.6 4.2 47.2 8.4 74 23.3 1967 31.6 =0.1 4 =15.0 1975 31.6 =0.1 4 =15.0 1975 31.6 =0.0 11.0 1 =11.0 1 =11.0 1 31.6 10.6 1 | 12 | 42.6 | 5.9 | 0 | | 89 | 20.0 | 1975* | | 1.6 | 3 | 15. | 1962 |
| 39.6 46.9 48.9 71 21.0 1975 31.5 =0.4 13 =11.1 1 39.1 3.9 46.9 8,3 70 21.1 1971 31.3 =0.4 13 =10.6 13 =10.6 13 =10.6 13 =10.6 14 14 14 10.6 16.9 1977 30.6 =10.0 14 15 =10.6 14 10.6 16.0 16 </td <td>13</td> <td>39.5</td> <td>4.2</td> <td></td> <td></td> <td>74</td> <td>23.3</td> <td>1961</td> <td></td> <td>-0.1</td> <td>*</td> <td>15.</td> <td>1962</td> | 13 | 39.5 | 4.2 | | | 74 | 23.3 | 1961 | | -0.1 | * | 15. | 1962 |
| 39.1 3.0 46.0 8.3 70 21.1 1971 31.3 =0.4 13 =10.6 18.9 1977 30.2 =10.0 14 | 14 | 39,8 | 4.3 | 8. | | 7.1 | 1. | 1975 | | | 12 | 11. | 1958 |
| 48.9 36.0 66 18.9 1977 30.2 -11.0 14 -10.0 16.2 66 18.9 1977 32.4 0.2 18 -10.0 18.9 1977 32.4 0.2 18 -10.0 18.9 1977 32.4 0.2 18 -10.0 18 -10.0 18 0.2 0.2 | 15 | 39.1 | 3.9 | 6. | | 70 | | 1971 | - | -0.4 | 13 | 10. | 1958 |
| 41.3 5.2 50.3 10.2 66 18.9 1976* 32.4 0.2 18 -11.1 10.6 18.9 1976* 32.4 0.4 12 -11.1 1 42.1 10.6 18.9 1976* 32.6 0.4 12 -11.1 1 43.3 40.1 10.6 10.6 18.9 1976* 33.4 0.6 12 -11.1 1 -12.6 1 -12.6 1 -12.6 1 -12.6 1 -12.6 1 -12.6 1 -12.6 1 -12.6 1 -12.6 1 -12.6 1 -12.6 1 -12.6 1 -12.6 1 -12.6 | 16 | 38.9 | 3.8 | 47.5 | | 99 | 18.9 | 1977 | | -1.0 | 14 | -10.0 | 1951 |
| 42.1 5.6 51.4 10.8 66 18.9 1976## 32.8 0.9 12 ************************************ | 17 | 41.3 | 5.2 | 0 | | 99 | 18.9 | 1977 | - | 0.2 | 18 | -7.8 | 1963 |
| 43.3 6.3 53.1 11.7 68 20.0 1958 33.4 0.8 9 -12.8 1 41.7 5.4 50.1 10.1 72 22.2 1949 33.3 0.7 13 -10.6 1 40.0 40.0 40.2 40.1 73 22.6 1949 33.3 0.7 13 -10.6 1 40.0 40.0 40.0 10.0 70 21.1 1970 30.6 -0.7 -10.6 1 40.0 40.0 40.0 70 21.1 1970 30.6 0.7 -40.6 1 40.1 40.2 40.0 75 23.9 1971 32.6 0.0 1 -10.6 1 40.2 40.2 40.0 75 20.0 1971 32.6 0.0 1 -10.6 1 -10.6 1 -10.6 1 -10.6 1 -10.6 1 -10.6 1 -10.6 | 18 | 42.1 | 5.6 | 51.4 | | 99 | 18.9 | 1976# | _ | 4.0 | 12 | -1111 | 1964 |
| 41.7 5.4 50.1 10.1 72 22.2 1949 33.3 0.7 13 -10.6 1 40.0 4.2 48.3 9.1 73 22.8 1967 30.6 -0.6 12 -11.1 1 40.0 4.4 49.5 9.7 69 20.6 1970 33.2 0.7 -4 -20.0 1 41.4 5.2 49.9 9.9 75 23.9 1970 33.2 0.7 -4 -20.0 1 40.1 40.2 49.9 67 75 23.9 1971 32.6 0.7 -12.8 1 40.2 40.2 67 19.4 1971 32.0 0.0 1 -12.8 1 41.0 5.2 49.6 66 18.9 1971 33.1 0.6 21 -10.0 1 42.1 5.6 49.6 9.8 73 22.8 1951 32.4 0.2 | 19 | 43.3 | 6.3 | 53.1 | | 89 | 20.0 | 1958 | _ | 0.8 | 6 | 12. | 1963 |
| 39.5 4.2 48.3 9.1 73 22.8 1967 30.6 -0.6 12 -11.1 1 40.0 40.0 40.0 70 21.1 1970 30.6 -0.6 10 -12.2 1 41.6 5.2 40.0 10.0 70 21.1 1970 33.2 0.7 -4 -20.0 1 40.1 40.1 40.9 75 23.9 1971 32.0 0.3 -14 -20.0 1 40.1 40.2 6 75 23.9 1971 32.0 0.1 7 -12.8 1 40.2 40.6 9.4 6 18.9 1971 33.0 0.0 1 -12.8 1 41.4 5.2 49.6 9.4 6 18.3 1971 33.1 0.0 2 -6.1 1 -6.2 1 -6.2 1 -6.2 1 -10.0 -10.0 -10.0 -10.0 | 20 | 41.7 | 5.4 | C | | 72 | 22.2 | 1949 | - | 0.7 | 13 | 10. | 1945 |
| 40.0 4.4 49.5 9.7 69 20.6 1970 30.6 -0.8 10 -12.2 1 41.6 5.2 49.9 9.9 75 23.9 1955 32.6 0.7 4 20.0 1 40.1 4.5 48.0 8.9 67 19.4 1971 32.6 0.9 -14 25.6 1 40.2 40.2 48.9 67 19.4 1971 32.6 0.1 9 -12.8 1 | 21 | 39.5 | 4.2 | 60 | | 73 | 22.8 | 1967 | | 8.0- | 12 | -111.1 | 1973 |
| 41.6 5.3 50.0 10.0 70 21.1 1970 33.2 0.7420.0 1 41.3 5.2 49.9 9.9 75 23.9 1955 32.6 0.3 -1425.6 1 40.1 4.5 48.0 8.9 67 19.4 1971 32.2 0.1 912.8 1 40.2 4.6 48.5 9.2 68 20.0 1971 32.0 0.0 178.3 1 40.2 5.2 49.6 9.8 65 18.3 1971 33.0 0.6 206.7 1 42.1 5.6 50.0 10.0 66 18.9 1951 33.1 0.6 216.1 1 42.1 5.6 49.6 9.8 73 22.8 1951 34.6 1.4 1.2 197.2 1 42.1 5.6 40.2 46.8 8.2 79 26.1 1951 33.4 0.2 5 7 50.7 10.4 79 26.1 1951 33.8 1.01425.0 1 | 22 | 0.04 | 4.4 | 0 | | 69 | 20.6 | 1970 | | 8.0- | 10 | | 1960 |
| 41.3 5.2 49.9 9.9 75 23.9 1955 32.6 0.3 -14 -25.6 1 40.1 4.5 48.0 8.9 67 19.4 1971 32.2 0.1 9 -12.8 1 1 40.2 4.6 48.5 9.2 68 20.0 1971 32.0 0.0 17 -8.3 1 40.2 5.2 49.6 9.8 65 18.9 1971 33.0 0.6 20 -6.7 1 61.4 5.2 49.6 9.8 65 18.9 1971 33.1 0.6 21 -6.1 1 42.1 5.6 49.6 9.8 73 22.8 1951 34.6 1.4 1.6 1.4 -10.0 1 | 23 | 41.6 | 5.3 | 50.0 | | 70 | 21.1 | 1970 | | 0.7 | ** | | 1963 |
| 40.1 4.5 48.0 67 19.4 1971 32.2 0.01 9 -12.8 1 40.2 4.5 48.5 9.2 68 20.0 1971 32.0 0.0 17 -8.3 1 41.0 5.0 49.0 9.4 66 18.9 1971 33.0 0.6 20 -6.7 1 42.1 5.2 49.6 9.8 65 18.9 1951 33.1 0.6 21 -6.1 1 42.1 5.6 49.6 9.8 73 22.8 1951 34.0 1.4 14 -10.0 1 42.1 5.6 46.8 8.2 79 26.1 1951 32.4 0.2 5 -15.0 1 42.2 5.7 50.7 10.4 79 26.1 1951 33.4 0.0 5 -15.0 1 | 24 | 41.3 | 5.2 | 6.64 | | 75 | 3. | 1955 | - | 0.3 | -14 | | 1963 |
| 40.2 4.6 48.5 9.2 68 20.0 1971 32.0 0.0 17 -8.3 1 41.0 5.0 49.6 9.4 66 18.9 1971 33.0 0.6 20 -6.7 1 42.1 5.2 49.6 9.8 65 18.9 1971 33.1 0.6 21 -6.1 1 42.1 5.6 50.0 10.0 66 18.9 1951 34.1 1.2 19 -7.2 1 42.1 5.6 40.6 8.2 73 22.8 1951 34.0 1.4 14 -10.0 1 40.6 40.6 8.2 79 26.1 1951 33.4 0.2 5 -15.0 1 40.6 5.7 50.7 10.4 79 26.1 1951 33.4 0.0 3 -15.0 1 | 25 | 40.1 | 4.5 | 48.0 | | 67 | 19.4 | 1971 | | 0.1 | 6 | 12. | 1963 |
| 41.0 5.2 49.6 9.8 65 18.3 1971 33.0 0.6 20 -6.1 1 1 4 1.4 5.2 49.6 9.8 65 18.3 1971 33.1 0.6 21 -6.1 1 1 1 2 1 2 1 2 1 3 1 3 1 3 1 3 1 3 1 | 26 | 40.2 | 4.6 | 48.5 | | 68 | 20.0 | 1971 | | 0.0 | 17 | | 1970 |
| 41.4 5.2 49.6 9.8 65 18.3 1971 33.1 0.6 21 -6.1 1 1 42.1 5.6 50.0 10.0 66 18.9 1951 34.1 1.2 19 -7.2 1 1 42.1 5.6 49.6 9.8 73 22.8 1951 34.6 1.4 14 -10.0 1 39.6 4.2 46.8 8.2 79 26.1 1951 32.4 0.2 5 -15.0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 27 | 41.0 | 3.0 | | | 99 | 18.9 | 1971 | | 9.0 | 20 | 9 | 1977 |
| 42.1 5.6 50.0 10.0 66 18.9 1951 34.1 1.2 19 -7.2 1 42.1 5.6 49.6 9.8 73 22.8 1951 34.6 1,4 14 -10.0 1 39.6 4.2 46.8 8.2 79 26.1 1951 32.4 0.2 5 -15.0 1 1V 42.2 5.7 50.7 10.4 79 26.1 1951 33.8 1,0 -14 -25.6 1 | 28 | 41.4 | 5.2 | | | 69 | | 1971 | 33.1 | 9.0 | 21 | -6.1 | 1977 |
| 42.1 5.6 49.6 9.8 73 22.8 1951 34.6 1.4 14 -10.0 1
39.6 4.2 46.8 8.2 79 26.1 1951 32.4 0.2 5 -15.0 1
1v 42.2 5.7 50.7 10.4 79 26.1 1951 33.8 1.0 -14 -25.6 1 | 59 | 42.1 | 3.6 | 50.0 | | 99 | | 1951 | 34.1 | 1,2 | 19 | | 1561 |
| 42.2 5.7 50.7 10.4 79 26.1 1951 32.4 0.2 5 -15.0 1 | 30 | 42.1 | 5.6 | | | 73 | 2. | 1991 | | | 14 | 10. | 1976 |
| 42,2 5,7 50,7 10,4 79 26,1 1951 33,8 1,0 -14 -25,6 196 | 31 | 39.6 | 4.2 | 8.04 | | 19 | | 1951 | 2 . | | 3 | 15. | 1976 |
| The state of the s | unthly | 42.2 | 5.7 | | | 19 | | 1991 | | 1.0 | -14 | 5 | |

3

*ALSO ON EARLIER YEARS

EXTREME VALUES

MAXIMUM TEMPERATURE (FROM DAILY OBSERVATIONS)

MEMPHIS, TENNESSEE STATION NAME

51-77

45-461 491

WHOLE DEGREES FAHRENHEIT

| ALL | | | | | | 901 | | 106 | 86 | 102 | 86 | 100 | 86 | 100 | | 10 | 100 | 100 | 66 | 102 | 76 | 44 | 100 | 66 | 16 | 200 | 96 | 100 | 100 | 99 | | | |
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| SEP. | 66 | | 8 | | 101 | 63 | 100 | 104 | 96 | 85 | 16 | 63 | 63 | 100 | 63 | 92 | 10 | 00 | 92 | - | 8 | 00 | 0 | 92 | 76 | * | 92 | 67 | 100 | 88 | | | |
| AUG. | 46 | | 96 | | | 102 | | 104 | 66 | 102 | 66 | 2 | 86 | 8 | 36 | 20 | 100 | 100 | 86 | * | 16 | 46 | 66 | * | -6 | 8 | 2 | 25 | 96 | 9,6 | | | |
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| APR. | 48 | 8.5 | | | | 91 | 90 | 2 | 88 | 83 | 87 | 63 | 48 | 67 | 60 | 83 | 48 | 82 | 06 | 83 | 86 | 86 | 86 | 96 | 87 | 60 | 08 | 88 | 98 | 8.5 | | | |
| MAR. | 9.1 | | | | | 78 | 19 | 08 | 80 | 78 | 76 | 99 | 19 | 11 | 11 | 78 | 25 | 11 | 72 | 28 | 83 | 19 | 78 | 72 | 08 | 4 | 19 | 49 | 17 | 90 | | | |
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| JAN. | | 69 | | | | 16 | 7.1 | 89 | 69 | 69 | 72 | 69 | 70 | 12 | 99 | 99 | 69 | 20 | 72 | 67 | 73 | 67 | 89 | 73 | 63 | 75 | 63 | 72 | 16 | 70 | | | |
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| SEP. | 26 | | | | | | | 1.64 | 4.334 | 870 |
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| JUL. | 68 | | | | | | | 62.3 | 4.182 | 868 |
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| MAY | 64 | | | | | | | 47.2 | 4.979 | 837 |
| APR. | 35 | | | | | | | 36.5 | 3.697 | 840 |
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| | WET BU | 1 | •• | | | • • | | • | • | • | - | • | • | • | • | | _ | | | | | | | | | | | | | | | | | | × | | | |
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| | emp. | - | | - | 0 | • | 0 | 0 | 0 | - | ~ | 2 | 2 | ~ | 4 | 4 | 4 | | 4 | ~ | ~ | m 1 | 3 | ~ | ~ | ~ | ~ | ~ | ~ | - | - | - | - | • | - | . Hum. | Dry Rulh | 2000 |
| Temp. 712/13 3 3 4 4 4 4 4 6 6 6 6 6 6 6 6 6 6 6 6 | _ | 3,6 | 2 | 72 | 20 | 9 | 9 | * | 62 | 9 | 58 | 36 | 34 | 52 | 50 | 48 | 46 | : | 42 | 40 | 38 | 36 | 34 | 32 | 30 | 28 | 26 | 24 | 22 | 20 | = | 2 | - | :2 | Elen | R. | å | |

PSYCHROMETRIC SUMMA JAN 68 672.0 672.0 672.0 TOTAL
D.B./W.B. Dry Bulb | Wet Bulb | Dew Point 1128 PSYCHROMETRIC SUMMARY PAGE 2 HOURS (L.S.T.) Total FEB 1128 TOTAL ≥ 93 F 1128 Mean No. of Hours with Temperature 1128 ≥ 80 F 3.6 WET BULB TEMPERATURE DEPRESSION (F) ≥73 F 26.8 ₹ 67 F YEARS 124.5 ≤ 32 F ≥ 0 F -. 73-77 1128 No. Obs. 4 66.8 17.127 44.4 12.248 39.7 10.620 33.1 11.973 2.6 3.7 7.3 75398 50125 44745 37379 MEMPHIS, TENNESSEE 2.728.427.116.810.1 5370392 2396477 1902047 400205 1.2 0 Element (X) Rel. Hum. Wet Bulb Dew Point Dry Bulb 93839 Temp. TOTAL 2 3

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| TOTAL | Wet Bulb Dew Point | | | | | | | 1 | * | 17 | | | | | | | | | | | | | | | | | | 22 | | 11 50 | | 1 20 | | | Total | |
|-------------------------------------|--------------------|----|-----|-----|-----|------|-----|-----|-----|--------|-----|----|-----|----|-----|-----|----|-----|-----|----|-----|----------|-----|----|----|-----|----|-----|-----|-------|----|------|-----|---------------------------|-----------|--------------------------|
| 5 | Bulb | 2 | - | n | = | 54 | 33 | 38 | 57 | 16 | 26 | 99 | 80 | 19 | 18 | 96 | 99 | 86 | 19 | 20 | 26 | 4 | 33 | 42 | 24 | 26 | 22 | 21 | 0 | 2 | 0 | - | | | 293 F | |
| OTAL . | D.B./W.B. Dry | 2 | - | 6 | = | 54 | 33 | 38 | 57 | 16 | 96 | 99 | 80 | 70 | 78 | 86 | 99 | 98 | 10 | 20 | 28 | 4 | 33 | 42 | 54 | 56 | 22 | 21 | 80 | ~ 1 | 0 | = - | | of Hours with Temperature | ≥ 80 F | |
| _ | 31 | - | | | | _ | | | | | - | _ | 1 | _ | - | | | | - | | 1 | _ | - | | _ | - | | - | | | + | | | rs with I | | |
| | . 30 = | | 1 | _ | 1 | | | | | | 1 | | 1 | _ | + | | | | + | | - | | 1 | _ | | | | | | | + | | | | ≥73 | |
| | 7 . 28 29 | | 1 | | | | | | | | 1 | | 1 | | 1 | | | | - | | 1 | | | | | | | | | | + | | | Mean No. | ≥ 67 F | |
| | 25 - 26 27 | | | | | | | | | | - | | 1 | | 1 | | | | - | | 1 | | 1 | | | | | - | | | + | | | | 32 F | The second second second |
| | 23 - 24 2 | | | 7 | | | | | | | | | 1 | | | | | | | | 1 | | | | | | | | | | 1 | | | | 13 | |
| | 21 - 22 2 | | | | | | .2 | 1. | | | | | | | | | | | | | | | | | | | | | | | | | | | ≥ 0 F | - |
| SION (F) | 19 - 20 | | | | | .2 | | 1. | | | | | | | | | | | | | | | - | | | | | | | | | | | | | |
| WET BULB TEMPERATURE DEPRESSION (F) | 17 . 18 | .1 | | | .2 | • | | | | .2 | 1 | | | | | | | | | | | | | | | | | | | | | | | No. Obs. | | |
| ERATURE | 15 - 16 | | | | | . •. | | • | | . •. | - | | • | • | | | | | | | | | | | | | | | | | | | | - | - | - |
| ULB TEMP | 13 - 14 | | - | . • | • | . • | • | . • | . • | 4. 7 | 1 | •, | • | 0 | • | . 2 | • | • | | | | | | | | | | | | | 1 | | | g, | | |
| WET B | 0 11 - 12 | | | • • | | | | | | 7. 4 | | - | - | •, | • | • | • | • | • | N. | 7 | <u> </u> | | | | | | | | | 1 | | | × | | |
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| | 6 7. | | - | _ | | | | | | 1.9 .7 | - 1 | | - 1 | | - 1 | | | | | | | | - 1 | | | | m | | - | | + | | | ×× | | |
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| Temp. | (F) | /+ | 12/ | 100 | 18/ | 19 | 141 | 12/ | 10 | 184 | /90 | * | 12 | 20 | /8 | /9 | 14 | 12/ | 6 | /8 | 100 | > | 121 | 6 | /8 | /91 | /* | 12/ | /01 | /8 | 10 | /2/ | 20/ | ement | Rel. Hum. | - |

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MEMPHIS, TENNESSEE

93839 STATION PSYCHROMETRIC SUMAN

| | Wet Bulb Dew Point | 1240 | | | | | | | | | | | | | Total | 0.44 | 0 |
|-------------------------------------|---|---------------|---|---|---|---|---|---|--|---|---|---|---|------------------------------------|-----------|----------|-----------------------|
| TOTAL | et Bulb | 1240 | | 1 | | | | | | | | | | 1 | 10 | 7 | ~ 6 |
| | Dry Bulb W | 1240 | | | + | | | | | | | | | | ≥ 93 F | | |
| TOTAL | B./W.B. | 1240 | | | | | + | | | | | | | Mean No. of Hours with Temperature | ≥80 F | 2.4 | |
| | - 131
O | | + | | | + | + | | | | | - | - | s with Te | _ | 44.4 | + |
| L | | + | + | | + | + | - | | | | | - | | of Hour | ≥73 F | | |
| - | . 28 29 . 30 | ++ | | + | + | | + | - | | - | | - | - | on No. | ≥ 67 F | 47.0 | 13.2 |
| 1 | 26 27 | ++ | | + | | - | - | | | | | | - | Ž | | ~ | 0 1 |
| + | 24 25 | 7: | | + | + | - | - | | | | - | - | | | ≤ 32 F | 22 | 0.00 |
| - | 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 | ~ | | + | + | | | | | | | - | _ | | ₹0 F | | |
| 5 | 20 21 | ~ | | + | + | + | | | | | | _ | | | ٧١ | | |
| WEI BOLD IEMPERATORE DEFRESSION (F) | . 61 | 1:1 | | + | - | + | - | | | | | _ | | Obs. | 240 | 540 | 1240 |
| KE VEF | . 7. | 1 | | - | - | - | - | | | | | | | No. Obs. | | - | - |
| L EKA | - 5 | 3 2.6 | | | - | - | | | | | | | | | +26. | . 546 | 107 |
| 2000 | 2 13 | 6.4 | | - | - | | - | | | | | | | σ× | 17. | • | 10.107 |
| | | 4.0 | _ | | | | - | | | | | | | × | 65,2 | 5.3 | 49.1 |
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| | ° · | 19. | | | | | | | | | | | | | | | |
| , | * | 16.622,319,61 | | | | | | | | | | | | | 5668072 | 3040 | 2439900 |
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| i (i | 13 | - | | | | | | | | | | | | (X) | Ë. | alo : | Bulb |
| | 9: | TOTA | | | | | | | | | | | | Element (X) | Ref. Hum. | Dry Bulb | Wet Bulb
Dew Point |

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93839 STATION

| TOTAL | Wet Bulb Dew Point | | | - | | | | | * | | ~ | 1, | | | | | | | | | | | | | | | | | | ~ | • | | | | | F Total | The Person Name and Address of |
|-----------------------------|--------------------|----|-----|----|-----|----|-----|-----|-----|-----|-----|-----|-----|---|-----|----|----|------|----|----|----|------|-----|----|----|-----|----|---|---|----|----|-----|----|----|------------------|-----------|---|
| | Dry Bulb | 7 | | | | | | | | | | | | | - | | | | | | | | | | | | | | | | | | | | ature | 2 93 | |
| TOTAL | D.B./W.B. | 2 | | 8 | 24 | 26 | 38 | 34 | 4.7 | 55 | 79 | 7.5 | 2 | 8 | 107 | 67 | 58 | 89 | 52 | 47 | 51 | 55 | 54 | 28 | 28 | 18 | 80 | 8 | 5 | | | | | | with Temperature | ≥ 80 F | - |
| | 30 ≥ 31 | | + | _ | - | | | | | | | _ | | | | _ | | | | | | _ | | | | | | | | | - | _ | | | of Hours w | ≥73 F | The Person of the last of the |
| | 27 . 28 29 . | | + | | - | | | 7 | | | | | | | | | | | | | | | | | | | | | | | - | | + | | Mean No. | ≥ 67 F | |
| | 24 25 - 26 2 | | 1 | _ | | | | | _ | | | | | | | | | | | | | | | | | | | | | | | | | | | ≤ 32 F | - |
| | . 22 23 . | .2 | - | | - | -: | | 7 | | | | | | | | | | | | | | | | | - | | | | | | - | | | | | 20 F | |
| (F) | 19 - 20 21 | | 2. | | 2. | 4 | .2 | 2. | .2 | | .1 | | | | | _ | - | | | | | - | | - | - | | _ | - | _ | | + | | + | _ | H | | - |
| BULB TEMPERATURE DEPRESSION | . 18 | | - | | | | . 2 | . 1 | | . 5 | . 2 | 7 | | | | | | | | | | | | | | | | | | | - | | 1 | | No. Obs. | | |
| RATURE D | 15 - 16 17 | | 1 | • | • | • | • | • | . • | • | . • | • | . • | | • | • | | | | | | | | | | | | | | | | | | | | | |
| LB TEMPE | 13 - 14 15 - 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | σ× | | - |
| WE BU | 11 . 12 | | | | 1 | | | | | | | | | 8 | | | | | | | | | | | | | | | | | | | | | × | | |
| | 9 - 10 | | 1 | | - | | | | | | | - | | | - | - | | | | | | | | | | | | | | | | | | | | | |
| | 7 - 8 | | | | | .2 | | • | • | • | - | • | . • | | - | • | 1: | 1. | - | • | • | • | • | • | • | 20 | 1 | 1 | 1 | | | | | | Σx | | - |
| | 5.6 | | 1 | , | | | • | • | - | | - | | - | | - | | | · | | - | - | 2 1. | | | | | | | | | | | 1 | | | | |
| | 3.4 | | 1 | | | | | | • | | | | | 7 | | | | 5 1. | | • | | 1. | | | | • | | | 2 | | | | | | | | - |
| | 1.2 | | + | | 1 | | | | | • | • | | - | 5 | - | | • | • | • | 2 | • | | | • | • | . 1 | • | | 1 | | - | | + | | Σ_{X^2} | | |
| | 0 | 87 | 9.2 | 63 | 18 | 10 | 17 | 75 | 73 | 71 | 69 | 2 | | | 1 | • | 2 | 55 | 53 | - | 0 | 4 | 4.5 | 43 | - | • | | | 3 | 31 | 50 | 27 | 23 | 22 | (x) | | |
| Temp. | (F) | | - | | - 1 | | | | | 1 | | | | 1 | | | | | | | | | | | | | | | | | | 787 | | | - | Ref. Hum. | |

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| | Dew Point | 1200 | | * | | | | | | | / | | | | | Total | 20.0 | 720.0 |
|-------------------------------------|---|-----------------------|------|---------|-----|--|---|-----|------|-----|---|------|-----|---|------------------------------------|-----------|----------|----------|
| | Wet Bulb | | 1200 | | 4 | | | | | | | | | | 1 | T | 1 | |
| | Dry Bulb | 1.00 | | G
(s | | | | | 11/2 | | | | 1 = | | 1. | 2 93 F | | 1 |
| TOTAL | .B./w.B. | 1 | 1200 | | | | | 7 | | . 1 | | | | | Mean No. of Hours with Temperature | ≥ 80 F | 36.0 | |
| | 131 | | | | | | | . / | | | | 3.5 | | | ours with | ≥73 F | 15.2 | 5.6 |
| - 1 | . 28 29 . 30 | | | | | | | 7 | | | | | | | No. of | 1 | - | 45.0 |
| | 2 | | | | | | | | | | | | | | Mear | H | 24(| |
| | . 24 25 . | | | | | | 3 | | | | | | | | - | ≥ 32 F | | 3.0 |
| | 0 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 | 1.0 | | | | | | | 7 | | | | | | + | 20 F | | |
| ON (F) | 19 . 20 2 | | | | | | | | | | | | | | 1. | 00 | 00 | 1200 |
| WET BULB TEMPERATURE DEPRESSION (F) | 17 - 18 | 2.8 | | | | | | | | | | | | | No. Obs. | 12 | 12(| 12 |
| WPERATUR | 14 15 - 10 | 3 4.2 | | | | | | | | | | | , . | | , x | .621 | 640 | 180 |
| BULB TE | . 12 13 . | 7.6 6. | | | | | | | | | | - 38 | 3 | | + | 4 19. | 11. | |
| - 1 | 9 - 10 11 | œ | | | | | | | | | | | | / | - | 64. | | 54, |
| | 7.8 9 | 13.01 | | | *** | | | | | | | | | | Σx | 77252 | 73685 | 65011 |
| | 5.6 | 716.2 | | | | | | | | | | | | | | | | |
| + | 2 3.4 | 417. | | | | | | | | | | | | | 4 | 3483 | 7096 | 3623083 |
| | - | 4.113.417.716.213.011 | | | | | | | | | | | | | Σx2 | 54 | 46 | 36 |
| | - 1 | 19 | | | | | | | | | | | | | 8 | am. | olb | gla |
| Temp. | (F) | TOTAL | | | | | | | | | | | | | Element (X) | Rel. Hum. | Dry Bulb | Wet Bulb |

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MEMPHIS, TENNESSEE

93839 STATION

53 PSYCHROMETRIC SUMMA **Dew Point** SUMMARY PAGE 1 Total MAY Vet Bulb Bulb 28 Dry Mean No. of Hours with Temperatur PSYCHROMETRIC D.B./W.B. 2 80 F 131 ≥73 F . 30 29 ₹ 67 F - 28 27 25 - 26 ≥ 32 23 - 24 21 - 22 -1-200 0 1 200 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 WET BULB TEMPERATURE DEPRESSION (F) Obs ŝ 500000 4 L OU O O W W 4 M 4 M -5 400000000000000000 9 - 10 MEMPHIS, TENNESSEE 7 - 8 MX 5.6 3.4 1.2 2424 0 500 73 73 69 69 63 63

12/0/9

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149 109 28/ 195 145

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NAVWEASERVCOM

Rel. Hum.

Wet Bulb Dew Point

15E48 - 7905 815H

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PSYCHROMETRIC SUMM Dew Point 1240 PSYCHROMETRIC SUMMARY PAGE 2 HOURS (LS.T.) MAY Dry Bulb Wet Bulb 1240 TOTAL 1240 TOTAL D.B./W.B. 1240 131 29 . 30 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 YEARS 8 WET BULB TEMPERATURE DEPRESSION (F) 73-77 5.0 4.3

8.5 6.3

1.013.121,815,611,510.3

7 - 8

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MEMPHIS, TENNESSEE

93839

15648-7605 81541

NAVWEASERVCOM

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744.0 744.0

Total

≥ 93 F

2 80 F

≥73 F

₹ 67 F

≥ 32 |

₹ 0 F

1240 1240 1240

67.5 17.974 70.3 9.175 62.8 6.993 57.9 8.651

83649 87233 77855

Rel. Hum.

Dry Bulb

Element (X)

Wet Bulb

Dew Point

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Mean No. of Hours with Temperature

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| S.T.) | Dew Point | | | | | | 2 | a | 29 | 111 | 192 | 139 | 107 | 2 | 3 6 | 27 | 29 | | 1200 | | | Total | 720.0 | 000 |
|------------|---|-----|-----|-----|-----|------|-------|------|-----------|-----|-----|-----|-----|-----|-----|-----|-----|----|---------------|------|------------------------------------|-----------|----------|-----|
| PAGE 1 | TOTAL
Wet Bulb | | | | | • | . ~ | 7: | 172 | 182 | 155 | 135 | 101 | 37 | 75 | - | | | | 1200 | | - | | |
| a . | Dry Bulb V | 1== | 200 | 80 | 200 | 9 4 | 8 | 100 | 108 | 96 | | 4 | 200 | 9. | N | | | | 1200 | | - | ≥ 93 F | 18.0 | |
| | TOTAL
D.B./W.B. | m r | 200 | 800 | 10 | 1 88 | 87 | 100 | 108 | 96 | = 5 | 48 | 13 | 9 | 2 | | | | | 1200 | Mean No. of Hours with Temperature | ≥ 80 F | 280.8 | - |
| | 15.7 | | | | | | | | T | | | | + | | | | | | | | urs with | ≥73 F | 514.2 | |
| | 30 | | | | + | | | | \dagger | | | | + | | | | | | | | of Ho | 17 | | 1 |
| | . 28 29 | | | - | | | | | + | | | | + | | | | | | 7: | | Mean No | ≥ 67 F | 654.6 | |
| | . 26 27 | - | | | + | | | | + | | | - | + | | | | | | 7. | | - | - | | 1 |
| | - 24 25 | | 7. | | 9. | 7 | | | | | | | + | - | | | | | | | | £ 32 | | |
| | . 22 23 | | 200 | | 76. | | | | | | | | + | | | | | | 1.8 | | 1 | ≥ 0 F | | |
| | N (F) | 1 | 00 | 101 | | 4 - | 1-1 | •1 | 1 | | | | | | | | | | 3.2 | | + | | _ | |
| | 18 TEMPERATURE DEPRESSION (F) 13 - 14 15 - 16 17 - 18 19 - 20 | | 10 | 0 | 3 | 4 | 1 ~ | • | 1: | | | | | | | | | | 6.3 | | No. Obs. | 1200 | 1200 | - |
| | TURE DE | | m 4 | | 90 | 5 | 0 | | 9 | | | | + | | | | | | 6.9 | 1 | | 1 | - | |
| | TEMPERA | | | - | 10 | 0 1 | | 10 | | | | | t | | | | | | 4.0 | | O'X | 7.54 | 8.055 | |
| | T BU | | | .0. | 5.5 | 80 0 | 2 00 | | 30 | 6. | | • | | | | | | | 0.6 | | | - | - | 1 |
| | WE 10 11 | | | | 20 | | | . •. | . 7 | | 4. | | - | : | | | | | 0.0 | | _ | - | 77 | ł |
| | 7.8 | | | | | 0 1 | 2.5 | 2.0 | | | 0.0 | - | : | | | | | | - | | × | 79961 | 2838 | |
| | 9.6 | | | | 7 | ~ a | 1 | 1.9 | 5.4 | 1.7 | | - | - | . ~ | | | | | 1. | | - N | - | 6 | |
| | 1 1 | | | | | - | • (0) | | | | 8 | 100 | | | | | | | 9.719.014.712 | | | 1297 | 1220 | |
| | 1.2 | | | | | | | 20 | | 2.2 | | 1:5 | . 4 | m | | | | | 9.7 | | 2x2 | 5697 | 7260220 | |
| | | | | | | | | | .2 | - | | | | | | | | | | | | | | |
| | ۾ ر | | 63 | 80 | 000 | 63 | 25 | 7. | 73 | 11 | 60 | 69 | 6 0 | 29 | 53 | 53 | 4 4 | ** | * _ | | (X) t | Hum. | Dry Bulb | - |
| | Temp. | 86 | 36 | 200 | 86 | 84/ | 80/ | 78/ | 7 | 72/ | 200 | 90 | 62 | 09 | 58/ | 54/ | 500 | 93 | 42/AT07 | | Element (X) | Rel. Hum. | Dry | |

MEMPHIS, TENNESSEE

29 - 30

25 - 26

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21 - 22

9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 WET BULB TEMPERATURE DEPRESSION (F)

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- 777

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133

PSYCHROMETRIC SUMMA JAN 68

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Wet Bulb Dry Bulb

Dew Point

744.0

Total

Mean No. of Hours with Temperature

51.6 2 93 F

397.2

726.0 667.8 678.6 450.6 550.8 273.6

2 80 F

≥73 F

₹ 67 F

≤ 32 |

10 F

No. Obs.

XX

2x2

Element (X) Rel. Hum.

NAVWEASERVCOM

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6228669 6621936 5960706

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| 744.0 | | | | 1240 | 9 0 | 28 | 34 | 8 4 | 6 | 122 | 146 | 230 | 137 | 4 | 6 | | | | | | | | | | Dew Point | S.T.) |
|----------|------------------------------------|---|------|---------------------|-----|-----|-----|-------------|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----------|-----|--|----------------|
| 1 | | | 1240 | | | - | - | 24 | 39 | 8 | 122 | 661 | 225 | 500 | 109 | 23 | | | | | | | | | Vet Bulb | HOURS (L.S.T.) |
| 10.8 | | | | 1240 | | * | | o • | 20 | 24 | 200 | | 137 | 148 | 116 | 74 | 26 | 113 | 72 | 87 | 73 | 17 | | - ~ | Dry Bulb W | |
| 326.6 | Mean No. of Hours with Temperature | | 1240 | | | 3 | * | œ -0 | 20 | 54 | 200 | * | 137 | 148 | 116 | 74 | 26 | 113 | 72 | 87 | 73 | 41 | | | D.B./W.B. Dr | |
| | with Te | - | - | | - | + | - | | - | - | | + | | + | | | | | | | _ | | + | | | |
| 582.6 | Hours | | | | _ | 1 | - | | 4 | _ | | 1 | | - | | | _ | | | | | | - | | 30 ≥ 31 | |
| | No. of | | | | | | | | | | | | | | | | | | | | | | | | 29 - | |
| 706.6 | Mean | | | | | | | | | | | | | | - | | | | | | | | | | 27 - 28 | |
| | | | | | | | | | | | | | | | | | | | | | | | T | | - 26 | |
| 76 - | | | | | | 1 | | | 1 | | | + | | | | | | | | | | | \dagger | | - 24 25 | |
| | | | | | | 1 | | | 1 | | | + | _ | + | | | | | | | | .2 | + | | . 22 23 | |
| + | 1 | | | • | - | + | - | | - | _ | | + | | - | | | - | - | 7 | 2 | - | | 1 | 7. | N (F) | |
| 1260 | Sps. | | | 0 | | - | - | | - | _ | | + | | - | _ | | | 9 | 2 | | | , , | - | - | PRESSION - 18 19 - | |
| 1 | No. Obs. | | | 1- | | | | | | | | | | - | | | | | | | | | | | E DEPRE | |
| 000 | + | | | 5.8 | | | | | | | | | | • | | | | | 6. | | - | 0 | | | 15 - 16 | |
| 7.602 | × | | | 4.8 | | | | | | | | | | | . 3 | .*. | .3 | 6. | | 2.1 | 2.7 | . 6 | | | WET BULB TEMPERATURE DEPRESSION 11 - 12 13 - 14 15 - 16 17 - 18 19 - | |
| 78.3 | × | | | 210.5 | | | | | | | | 1 | -: | .2 | | . 3 | 1.1 | 1.5 | 1.7 | 3.1 | 1.3 | .5 | | | /ET BUL | |
| + | - | | | 9.21 | | 1 | | | 1 | | :: | - | 0 | | | | 1.1 | | | | | | + | | . 10 | |
| 97120 | | | | | | + | | | 7. | | • | 20 | • | 1.5 | F. | | | 200 | | 7 | | | + | | . 8 | |
| 97 | XX | | | 1111 | - | + | | 7- | | 7 | | | | | | | | 50 | 12.0 | | - | | + | | 6 7 | |
| 5 0 | 1 | | | 415 | | + | N | - | - | 0 | 41 | 0 | 0 | m | 0 | | 7 | | _ | | | | + | | 4 5. | |
| 7678308 | | | | 919. | | | | . | - 1 | | ייי | | N | 2 | - | | | • | | | | | 1 | | 3. | |
| 16 | Ex2 | | | 3.313.919.415.111.8 | | • | • | • • | • | • | :: | - | e . | ~ | = | • | | | | | | | | | 1.2 | |
| | | | | 3.3 | | - | | • | .2 | | - 19 | • | • | | | - | | | | | | | | | 0 | |
| i q | (X) | | | 64 | 22 | 23 | 57 | 25 | 63 | 69 | 000 | = | 23 | 75 | 7 | 4 | 81 | 83 | 88 | 87 | 89 | 9.1 | 6 | 00 | á_ | |
| Dry Bulb | Element (X) | | | 30V | 52/ | 20/ | 58/ | 26 | 149 | 100 | 68 | 12/ | 3 | 16/ | 78/ | 80/ | 82/ | 84/ | 86/ | 88/ | 106 | 92/ | 3 | 186 | Temp.
(F) | |

0 0 0 0

Dew Point PSYCHROMETRIC SUMMARY PAGE 1 HOURS (L.S.T.) TOTAL Bulb Wet Bulb Dry D.B./W.B. 133 . 30 39 27 - 28 23 - 24 25 - 26 21 - 22 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20

750

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PSYCHROMETRIC SUMMA

WET BULB TEMPERATURE DEPRESSION

7 - 8

5.6

3 - 4

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Temp.

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196

900/

86/

82/80/

MEMPILS, TENNESSEE

93839 STATION

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NAVWEASERVCOM

Element (X)

Dry Bulb Wet Bulb

Total

≥ 93 F

≥ 80 F

≥73 F

₹ 67

≤ 32 F

4 0 F

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×

Mean No. of Hours with Temperature

0 0 0 10 0

15 L 2 E 1 6 2

18/2

PSYCHROMETRIC SUMMA JAN 68 720.0 720.0 720.0 TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Point 1200 PSYCHROMETRIC SUMMARY PAGE 2 HOURS (LS.T.) SEP 1200 TOTAL 2 93 F 1200 Mean No. of Hours with Temperature 141.0 1200 ≥80 F 375.6 148.2 284.4 76.8 ₹31 273 F 23.917.711.5 9.0 7.7 5.6 2.3 1.7 64 .1 .2 23.24 25.26 27.28 29.30 .6 284.4 ₹ 67 F = 32 | 10 F WET BULB TEMPERATURE DEPRESSION (F) 73-77 1200 No. Obs. 9,728 73.1 61.5 87712 85669 78248 73814 MEMPHIS, TENNESSEE 4.115.723.917.711.5 6721956 6229457 5184018 4646674 1.2

NAVWEASERVCOM

Element (X) Rel. Hum.

Dry Bulb Wet Bulb

Dew Point

0 0 0 0 0 0 0

0

Temp. TOTAL

PSYCHROMETRIC SUMMA 202212000 PSYCHROMETRIC SUMMARY **Dew Point** PAGE 1 HOURS (LS.T.) Total DC. TOTAL Wet Bulb ≥ 93 F Dry Bulb Mean No. of Hours with Temperatur D.B./W.B. ≥ 80 F 131 ≥73 F 29 - 30 ≥ 67 F . 28 27 25 - 26 ≥ 32 23 - 24 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 10 E 22----WW44 WWW 8 ŝ -499044-499999 × MEMPHIS, TENNESSEE 0 N D D N D D N M D D 5.6 OM 8 - M - O O F M 0 63 Wet Bulb Dew Point

NAVWEASERVCOM

ISEAR-TOOS MIN

Temp.

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52/

Rel. Hum. Dry Bulb

Dew

PSYCHROMETRIC SUMMA
 WET BULB TEMPERATURE DEPRESSION (F)
 TOTAL
 TOTAL
 TOTAL

 7 - 8
 9 - 10
 11 - 12
 13 - 14
 15 - 16
 17 - 18
 19 - 20
 21 - 22
 23 - 24
 25 - 26
 27 - 28
 29 - 30
 231
 D.B./W.B.
 Dry Bulb
 Wet Bulb
 Dew Point
 PSYCHROMETRIC SUMMARY 1240 744.0 PAGE 2 HOURS (L.S.T.) Total 1240 1240 2 93 F Mean No. of Hours with Temperature ≥ 80 F 118.2 ≥73 F 30.6 24.0 24.0 ₹ 67 F YEARS ≤ 32 F ≥ 0 F 3.317.323.515.511.7 8.4 6.9 5.2 4.1 2.5 1.0 WET BULB TEMPERATURE DEPRESSION (F) 73-77 1240 No. Obs. 54.2 9.320 48.9 10.325 60.7 11.641 MEMPHIS, TENNESSEE 75245 67219 60627 2x 84507 1.2 3.4 5.6

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Temp.

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14278 2097-54321

22/ 21 TOTAL

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NAVWEASERVCOM

4733887 3751501

Dry Bulb Rel. Hum.

ZX2

Element (X)

3096325

Dew Point

Wet Bulb

PSYCHROMETRIC SUMMA JAN 68

| 13 - 14 15 - 16 17 - 1 | 21 · 22 23 · 24 20 5 20 5 20 5 20 5 20 5 20 5 20 5 2 | 92. | |
|--|---|--|--|
| X X X X X X X X X X X X X X X X X X X | 1 TEAMPERATURE DI 3 - 14 15 - 16 17 17 17 17 17 17 17 17 17 17 17 17 17 | 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 2 | 21 · 22 23 · 24 25 · 26 27 · 28 29 · 30 = 31 D |

| 2 | L.S.T.) | | Dew Poin | -0-00 | 10 0 |
|------|---------|-------|----------|-------|------|
| PAGE | HOURS (| TOTAL | Wet Bulb | | |
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MEMPHIS, TENNESSEE

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| 3.2 1.2 5 1.1 1200 1200 1200 1200 1200 1200 1200 | 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21 |
|---|---|
| No. Obs. No. Obs. No. Obs. Mean No. of Hours with Temperature 1200 | 2.927.022.118.412.0 7.9 4.7 3.2 |
| No. Obs. No. Obs. 1200 50F 532F 267F 273F 280F 293F 1200 301-4 22.2 | |
| No. Obs. No. Obs. No. Obs. 1200 20 | |
| No. Obs. No. Obs. No. Obs. Mean No. of Hours with Temperature \$200 \(\frac{1200}{200} \) \(\frac{57}{57} \) \(\frac{57} | |
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| 1200 50F 532F 267F 273F 280F 293F 1200 101.4 22.2 | Þ |
| 1200 57.6 90.0 18.6 1.8 | 82272 68.6 |
| 1200 101.4 22.2 | |
| | 55034 45.9 |

S PSYCHROMETRIC SUMMA JAN 68

MEMPHIS, TENNESSEE

| TOTAL | Wet Bulb Dew Point | | | - | 8 | - | 0 | 18 | 22 | 22 | 50 | 33 | 99 | 64 | 9 | 69 | 88 | 109 | 85 | 80 | ** | 86 | 75 | 40 | 23 | 35 | 28 | 21 | 12 | 6 | ~ | 6 | - | | - | - |
|------------|--------------------|----|---|----|----|----|-----|-----|-----|-------|-----|----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|----|-----|-----|-----|----|----|----|---------|---|---|---|-----|---------------|---|
| | Dry Bulb | 1 | • | 12 | 20 | 15 | 21 | 30 | : | 14 | 45 | 55 | 9 | 99 | 7.1 | 87 | 16 | 89 | 72 | 80 | 89 | 69 | ** | 16 | 34 | 23 | 19 | 15 | • | | 6 | - | - | | 1 | 1 |
| TOTAL | D.B./W.B. | 1 | | | 20 | 15 | 21 | 30 | 44 | 41 | 45 | 55 | 09 | 79 | 71 | 87 | 91 | 68 | 72 | 90 | 68 | 69 | 44 | 51 | 34 | 23 | 19 | 15 | 2 | 4 | 6 | - | - | | h Temperature | 1 |
| | 30 ≥ 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | of Hours with | |
| | . 28 29 . | | | | | | | | | | | | _ | | | | | | | | | | | | | | | | | | | | 1 | | Mean No. o | 1 |
| | 25 - 26 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| | 22 23 - 24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | 1 |
| N (F) | - 20 21 - | | - | - | | | | | | | | | | | | | | | | | | | | | | | | - | | | | | | | - | |
| | 17 - 18 19 | | | | 2 | | | - | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | No. Obs. | |
| EMPERATUR | - 14 15 - 16 | | 7 | ~ | | | .2 | • | | 1. | .2 | | | | | | | _ | | | | | | | | | | | | | | | + | | ď, | - |
| ET BULB 11 | . 12 13 | | 1 | _ | | | | . 2 | . 2 | .2 | . 2 | 1. | | | .1 | _ | | | | | | | | | | | | | | | 1 | | 1 | | × | - |
| | 11 01 - 6 | -: | | - | • | | . • | • | . • | | | • | . • | • | • | • | . • | • | | | | | | | | | | | | | | | 1 | | | |
| | 8 - 2 9 | | | | | | | | - | 5. L. | | | - | - | - | | | - | | | | - | 7 | * | 1 | | | | | | | | 1 | | Σ× | |
| | .4 5. | | 1 | N | | 7 | 7 | | | | | ~ | 7 | .6 | .3 | .5 | 6 | - 6. | 0 | · N | 0 | - | m | | 0 | | 4 | m. | | | | | 1 | | - | - |
| | 1.2 3 | | 1 | - | .2 | | 4. | | • | • | 6. | 3 | | 2 | | 2.2 | 2.0 | 2.3 | 2.0 | 2.5 | 1.1 | 5.0 | | 1.9 | 1.5 | 1.3 | - | • | .2 | | ~ | - | : | 7- | Zx2 | |
| | 0 | | | | | | | | . 2 | | | | | . 2 | | • | • | • | • | • | • | • | • | • | • | | • | | • | 7. | • | | | | | |
| Temp. | | - | 0 | 0 | 0 | 0 | • | ~ | * | - | - | | • | 3 | 3 | * | | 4 | ~ | ~ | 3 | ~ | ~ | ~ | 7 | ~ | ~ | - | - | ~ | - | - | |) i | × | |

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93839 STATION

5 PSYCHROMETRIC SUMMA JAN 68

|) F | 2
LS.T.) | | Wet Bulb Dew Point | 220 | 7-1- | 1240 | | | | | | | | | Total | 144.0 | 144.0 |
|---------------|--------------------------|-------------------------------------|---|------|------|---------------------|------|---|----|---|-----|---|----|------------------------------------|-----------|----------|----------|
| HONTH | PAGE 2
HOURS (L.S.T.) | TOTAL | /et Bulb | - | | | 1240 | | | | | | | | | 1 | 1 |
| 1 | a | | Dry Bulb N | | | 1240 | | | + | | | | | | ≥ 93 F | | |
| | | POTAL | D.B./W.B. D | | | | 1540 | | + | | | | | Mean No. of Hours with Temperature | ≥ 80 F | | |
| | | | ≥31 D. | | | | | | + | | +++ | | | s with | 4 | + | |
| | | | 8 | | | | | + | - | | +++ | | | of Hour | ≥73 F | | |
| | | | . 28 29 . | | - | | | | - | - | +++ | | ++ | an No. | ≥67 F | 9.6 | 0 |
| YEARS | | | - 26 27 - | | | | | | - | - | 1 | | 11 | We | | 0 | 0 |
| | | | . 24 25 . | | | | | | | | | | | | ≤ 32 F | 162.6 | 2310 |
| | | | 23 - 2 | | | | | | | | | | | | | | |
| | | | 21 - 22 | | | | | | | | | | | | 40 F | | |
| 13=11 | | ION (F) | 19 - 20 | | | | | | | | | | | · s | 04 | 0 | 40 |
| (3 | | WET BULB TEMPERATURE DEPRESSION (F) | 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 | | | | | | | | | | | No. Obs. | 1240 | 12 | 1240 |
| 1 | | ATURE I | 5 - 16 | | | . 7 | | | | | | | | H | 0 | 0 | 7 |
| | | TEMPER | 1 71 - 8 | | | , 0 | | | | | | | | σ× | 6,200 | 110448 | 0.40 |
| | | T BULB | - 12 13 | | | 4.1 | | | | | | | 11 | | | | |
| | | W | | | | * | | | - | + | | | | × | 70.2 | 41.8 | 37, |
| N X N | | | 8 9 | | | 4 | | | +- | | ++ | | | | 87082 | 828 | 996 |
| STATIO | | | 6 7. | | | 010 | | + | +- | + | | | | Σ× | 87 | 2 | 40 |
| E | | | 5. | | - | 517 | | | | | - | - | - | | 4 | 8 | 0 |
| 121 | | | 3.4 | | | 028 | | | - | | | | | | 4074 | 2328628 | 1463 |
| STATION NAMES | | | 1.2 | | | 3.034.028.517.010.6 | | | | | | | | Σ_{X^2} | 40 | 23 | 10 |
| Σ | | | 0 | | | | | | | | | | | | | | |
| STATION | | emp. | (F) | 2/ 3 | 122 | 8/- 9 | | | | | | | | Element (X) | Rel. Hum. | Dry Bulb | Wet Bulb |
| 7.5 | | | | | 11. | - 8/-
TOTAL | | | | | | | | Ele | ~ | ^ | Wet Bulb |

73-77

MEMPHIS, TENNESSEE

93839 STATION

| Temp. | 0 | 66 /00 | - | | | 0 | 8 / | 8 / | 8 | 8 | 8 / | . 64 / | . 77 / | 1 75 | 1 73 | / 71 | . 69 / | 1 67 | 65 . | . 63 | 1 61 | . 65 / | 1 57 . | . 55 | 1 53 | / 51 . | . 64 / | . 44 / | . 69 / | . 64 / | . 41 | . 39 | 1 37 | . 35 | 33 | Rel Hum | |
|-------------------------------------|-----------------|--------|-----|-----|---|-----|-----|-----|-----|-----|-----|--------|--------|------|------|------|--------|------|------|------|------|--------|--------|------|------|--------|--------|--------|--------|--------|------|------|------|------|-----|---------|---|
| | 1.2 | | | | 1 | | | | | | 0. | • | • | • | • | | • | | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | . 2 | X | |
| | 3.4 | | | | T | | | | | | | | | | | 1.0 | | | | | | . 7 | | | | | 30 | . 0 | | 6. | | | | 3 | - | | 1 |
| | 5.6 | | | | | | | | 0 | | | • | . • | - | - | | - | | . • | . • | . • | • | | • | • | • | . • | • | • | • | . • | . • | | • | 1 | | |
| | 7.8 | | | | | | | • | • | • | • | • | . • | • | • | | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | 9 | K | |
| | 9 - 10 | | | | | • | | • | * | • | | • | • | • | • | • | . • | • | • | • | . • | • | • | • | • | • | • | • | | • | • | • | - | | 1 | 1 | 1 |
| WET B | | | 1 | • | 1 | • | . • | • | • | | • | | . • | • | • | * | • | • | . • | • | . • | • | • | • | • | • | • | • | • | | 0 | 0 | | | | < | |
| ULB TEM | . 12 13 . 1 | | | | | | | | | 3 | | | | | . · | | | | 9 | | | | 3 | | | 2 | 1 . | 0 | 0 | | | | | | 1 | 1 | - |
| PERATU | . 14 15 . 16 17 | | < | 5. | - | 7 | 9 | 50 | 4 | | m | m | m | 2 | ~ | - | ~ | | 2 | 2 | | 1 | 7 | 0 | | | 0 | | | | | | | | - | × | 1 |
| RE DEP | 16 17 . | - | | 5 (| | 4 | | | | 7 | 2 | ~ | ~ | ~ | | - | 2 | | | | 1 | | 0. | | 0 | | | | | | | | | | - | 20 | |
| WET BULB TEMPERATURE DEPRESSION (F) | - 18 19 | - | 2. | 4 (| 7 | | .2 | .2 | | | N | | | • 1 | 1 | | .1 | 0 | 0 | 0 | 0 | | | | | _ | | | | | | | - | | | 500 | |
| (F) | - 20 21 | - | | | | 7. | .1 | • 1 | | | 0 | | 1. | 10 | 0 | 0 | 0. | | | | | | | | | | | _ | | | | | | | + | + | 1 |
| | - 22 23 | 0. | 0 | 2 | 0 | 0 | • 1 | 1. | | 0 | 0 | 0 | 0 | 0 | 0 | | | - | | | | | | | | | | | | | - | | | | + | 40 F | |
| | - 24 25 | 0.0 | 25 | | 2 | 0 | 0 | 0 | | 0 | | 2 | | | | | | | | | | | | | | | | | | | - | | 1 | _ | 1 | ≥ 32 | 1 |
| | 5 - 26 27 | | - | 20 | • | | | 0 | 0 | | | | | - | | | | | | | | | | | | | | - | | | | | | | 1 | - | |
| | 7 - 28 29 | | • | | + | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ≥ 67 F | |
| | 2 . 30 = | | + | | + | | | | | | | | | - | | - | | | | | | | | | | | | | | | | | | | | | - |
| - | 31 | | + | | 1 | | | | | | | | | | | | | | | _ | | | | | | | | | | | | | | - | - | | |
| OTAL | D.B./w.B. | N. | | | | 154 | 4 | 324 | 19 | 423 | 387 | 434 | 612 | 733 | 695 | 009 | 677 | 641 | 119 | 558 | 562 | 459 | 451 | 469 | 393 | 433 | 418 | 429 | 377 | 403 | 350 | 341 | 298 | 303 | 268 | 280 F | |
| | Dry Bulb | | 177 | 2: | | 154 | 244 | 324 | 338 | 423 | 387 | 434 | 612 | 733 | 669 | 900 | 677 | 641 | 611 | 558 | 562 | 450 | 451 | 469 | 393 | 433 | 418 | N | - | 403 | = | 4 | | 303 | 50 | 293 F | ! |
| TOTAL | Wet Bulb | | | | | | | | | | 16 | 125 | 363 | 652 | 842 | 784 | 734 | 723 | 739 | 768 | 727 | 581 | 502 | 511 | 497 | 468 | 492 | 475 | 554 | 469 | 447 | 462 | 414 | 369 | 380 | F | 1 |
| | Dew Point | | | | | | | | | | | | | | | 702 | | | | | | | | | | 433 | 411 | 363 | 418 | *** | 454 | 450 | | 443 | 469 | Total | - |

PSYCHROMETRIC SUMMA JAN 68

| - | S.T.) | | Dew Point | 408 | 300 | 355 | 316 | 237 | 25 | 138 | | 76 | 4 | 28 | 2 8 | : : | 65 | | • | 4608 | | | | | | Total | 0000 | 8760.0 |
|--------------|----------------|-------------------------------------|---|------------|-----|-----|-----|-----|-------------|-----|-----|-----|----|--------------|-----|-----|-----|---|---|-------|------|---|---|---|------------------------------------|-----------|--------------|----------|
| HONTH S | HOURS (L.S.T.) | | | 310 | 230 | 205 | 135 | 110 | 9 | 200 | 200 | 12 | 9 | • • | - | ~ | | | 1 | - | 4608 | | | | | | | |
| | | t | - | 243 | 2 | 0, | 96 | 80 | 52 | 26 | | 1.5 | - | so a | | - | - | | + | 14608 | - | + | + | | 1 | 293 F | 92.4 | |
| | | | ۵ | | 1 | | | 0 | 200 | 1 4 | 3 | ~ | œ | 1 0 0 | 0 3 | - | | - | 1 | * | 00 | - | + | - | erature | | | 2.4 |
| | | TOTAL | D.B./W | 243 | | | 5 | 3 | 63 C | | . – | | | | 1 | | | | 1 | | 1460 | | | | Mean No. of Hours with Temperature | ≥80 F | 1357.8 | 2 |
| | | 1 | ₹31 | | | | | | | | | | | | | | | | | | | | | | Hours w | ≥73 F | 2698.8 | 98.8 |
| | | | 29 - 30 | | | | | | | | | | | | | | | | | | | | | | No. of | _ | . 420 | 114. |
| YEARS | | 1 | 27 - 28 | | | | | | | | | | | | | | | | | | | | | | Mean | ≥ 67 F | 640,53849.42 | 2543 |
| 1, | | | 25 - 26 | | | | | | | | | | | | T | | | | | | | | | | | ≤ 32 F | 0.5 | 1.1 |
| | | | 23 - 24 | | T | | | | | 1 | | | | | 1 | | | | | | | | | | 1 | VΙ | 0 | 8 |
| | | | - 22 | | | | | | | + | | T | | | 1 | | | | | | | | | | 1 | ± 0 F | | |
| | | ON (F) | 9 - 20 2 | | | | | | | + | | | | | + | | | T | 1 | 1.0 | | | | | \dagger | 80 | 8 | 8 |
| | | WET BULB TEMPERATURE DEPRESSION (F) | . 12 13 - 14 15 - 16 17 - 18 19 - 20 21 | | | | | | | + | | | | | 1 | | | 1 | 1 | 2.0 | | | | 1 | No. Obs. | 1460 | 14608 | 14608 |
| 1 | | TURE D | . 16 17 | | + | | | | | + | | 1 | | | + | | | | + | 9.3 | | + | | | Ĺ | | | |
| | | TEMPER A | - 14 15 | | + | | | | | + | | + | | | + | | | - | + | 5.0 | | | + | | × | 1.54 | 7.927 | 15.765 |
| | | T BULB | . 12 13 | | + | | | | | + | | - | | | + | _ | | - | + | 5 | | 7 | | | \dagger | - | 0 | 8 |
| | | 3 | - 10 | | + | | | | | + | | + | | _ | + | | | | + | 6. | | - | + | | | 68 | 61. | 54 |
| N NAME | | 1 | .8 | • | + | | | | | + | _ | + | - | _ | + | | | + | + | 4. | | - | | | 1 | 178 | 891539 | 289 |
| STATIC | | | 7 9 | ~- | - | 10 | | 0 | _ | + | _ | + | | | + | | | - | 1 | 511 | | + | + | - | XX | 1003 | 891 | 800 |
| | | | 4 5. | 94 | 7 3 | m | ~ | ~ | <u>بر</u> | 3 6 | 200 | - | | _ | + | | | - | + | 416. | | - | + | + | + | 90 | 23 | 6 |
| STATION NAME | | 1 | 2 3. | 3 (| | | | | m- | - | | | - | 0 | | | | - | + | 9.922 | | | | + | - | 73387666 | 2690 | 740 |
| | | | - | | | 17 | 7 | 0 | | | 4 6 | | | | 3 | | | - | 1 | 119 | | | | - | 2x2 | 733 | 290 | * |
| -1 | | | 0 | | 1 | | | | | | | | | | | | | | | • | | | | | | | | |
| ATION | | Temp. | | 1 31 | - | | - | | | 1 | | - | - | · · | | | 1 1 | | | 1× | | | | | Element (X) | Rel. Hum. | Dry Bulb | Wet Bulb |
| STATION | | ۴ | | 32 | 280 | 26 | 24 | 22 | 20/ | 10 | 1 | 12 | 10 | 80 4 | 0 | - 8 | 0. | * | | 10 | | | | | Elem | Rel. | 9 | × |

15E48 . TEOS MISH

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG E FROM HOURLY DRSERVATIONS

73-77

MEMPHIS, TENNESSEE

93839

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| 120 11 001 | | 144. | 0.52 | 4 | 44. | ,,,,,, | The state of the s | | 0114 | 933 | 200 | 101 | 250 | 1711111111 |
|--------------|----------------------------|-----------------------------------|-----------------------|-----------------------|----------------------|-----------------------|--|----------------------|---|----------------------|---|---------------------------|-----------------------|------------------------|
| TK3.(L.3.1.) | | JAN. | reb. | Ž | X Y | W | 5 | | | 35 | 3 | | Í, | ANNOAL |
| 00 | S. D.
TOTAL OBS | 13,248 | 11.07210. | 52.2
10.657
155 | 9.520 | 65.8
6.652
155 | 5,239 | 15.7 | 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 150 | 9696 | 12,817 | 11,020 | 16.243 |
| 60 | S. D.
TOTAL OBS | 34.6
13.184 | 39.5
11.49510 | 50.6
10.646
155 | 9.788 | 63.5
7.022
155 | 5,332 | 73.6 | 4.609 | 65.5
8,154
150 | 53.4
9.705
155 | 12,936 | 36,3 | 55.2
16.108
1826 |
| 90 | AEAN
S. D.
TOTAL OBS | 13,3871 | 38.4 49 | 49.2 | 9.750 | 63.2 | 5.058 | 13.9 | 4.0.
1.0.
1.0.
1.0. | 64.3 | 52.0
9.704
159 | 12,767 | 37.2
11,129
155 | 54.4 |
| 60 | S. D.
TOTAL OBS | 36.8
12,9881 | 10.92010 | 54.5
10.131
155 | 62.2
8.980
150 | 71.3 | 5.790 | 63.1
4.373 | 80°5
8°5
7°55
1°55 | 72.8 | 61.9
8.971
155 | 11,084 | 40.3
10.239 | 61.4
17.970
1826 |
| 12 | S. D.
TOTAL OBS | 41.9 | 11.779 | 7910.752
1110.752 | 9.749 | 76.6
8.238
155 | 63.5 | 5.209 | 8.4.
2.4.
2.6.0.
2.0.0. | 150 | 9.970 | 11,764 | 10,703 | 67.0 |
| 19 | S. D.
TOTAL OBS | 43.7 51.9 62.
13.81312.10711.1 | 51.9
12.107 | 62.2
11.144
155 | 9.776 | 78.0
8.225
155 | 6.186 | 5.298 | 610-10
610-10
610-10 | 19.4 | 71.4 | 11,696 | 11.361 | 17.920 |
| 1.9 | S. D.
TOTAL OBS | 40.3
13.1511 | 111.35211. | 59.5
11.013
155 | 9.512 | 75.5 | 83.1
5.819 | 86.0
5.159 | 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 | 7.70 | 8 9 9 8 1 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 | 11,754 | 10,633 | 17.935 |
| 12 | S. D.
TOTAL OBS | 37.4 43.9 54.
13.11810,90410. | 43.9
10.904
141 | 54.7
10.662
155 | 9.204 | 6.513 | 75.9
5.038
150 | 79.0
4.630
155 | 70.0
4.4.4
1.5.5 | 7,766 | 57.7
8,964
8,155 | 12,425 | 41.0 | 59.5
16.627
1826 |
| ALL | S. D.
TOTAL OBS | 38.0 44.4 55
13.66012.24811. | 12.248 | 547 | 11.050 | 70.3
9.176
1240 | 8.050 | 7.588 | 74.3 | 9,728 | 11,641 | \$0.9
\$2.887
\$200 | 11.448 | 17,927 |

MEANS AND STANDARD DEVIATIONS

WETABULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

| 73837 | 1 | 201040 | CUNCO | 2 | | | | | | | | | 1 | |
|--------------|-----------|--------------|-------------|--------------|-------|--------|-------|-------|-------|-------|-------|--------|-------|---------|
| STATION | | | 5 | STATION NAME | | | | | | YEARS | | | | |
| HRS.(L.S.T.) | | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ANNUAL |
| | | 33.2 | 37.7 | 47.7 | 52.2 | 61.0 | 1.19 | 71.0 | 7.69 | 63.5 | | 6.44 | 36.4 | 53.0 |
| 8 | | 12.580 | ò | 0.0 | 0 | | • | 0 | - | | 000 | 1570 | 7 | |
| | TOTALOBS | | 161 | 2 | 2 | _ | 2 | 2 | _ | | | 0 | 2 | 70 |
| | MEAN | 32.4 | 36.5 | 40. | 0 | | 5 | 0 | 0.8 | 2 | | | | - |
| 60 | S. D. | 12.792 | 10.779 | 0.24 | 0 | 3 | 3 | 1 | - | - | 5 | = | - | |
| | TOTAL OBS | 155 141 | 141 | | | | | 155 | | | 155 | 150 | | 182 |
| | | | | | 1 | | | | | | | | | |
| | | 31.9 35.8 | 35.6 | 42 | 40.6 | ~ | 66.7 | - | 6.1.9 | 61.5 | | 45.3 | 34.7 | 51.4 |
| 90 | | | 10.800 | 4.0 | | 0 | | ~ | 0 | - | 214 | . 480 | | 0 |
| | TOTAL OBS | | 141 | 7 | 2 | 13 | 3 | 15 | 2 | 12 | 155 | 150 | 2 | 82 |
| | 2424 | 34. 4 | . 00 | a | 1 | 0 | | | - | 1 | 16 | | | |
| | MEAN | 24.4 | 37.6 | 1000 | * | 0 | - | | - | - | 21 | 2 | 7016 | 1000 |
| 60 | S. D. | 12.76910.340 | 10.340 | 9.912 | 8,873 | 6.752 | 4.961 | 3.688 | 31730 | 7.535 | 24540 | 11.056 | 10000 | 16.180 |
| | TOTAL OBS | - | 141 | 15 | 25 | 2 | 15 | 13 | 2 | 25 | 133 | 150 | 2 | 182 |
| | | | | | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | | 1 |
| | MEAN | 37.4 | 45.0 | 51.4 | 0 | 4 | 10.9 | - | - | 7.99 | | 0.04 | - | 57.0 |
| 15 | S. D. | 12,45610,300 | 10.300 | 9.3 | * | * | | • | 9 | 3 | 1398 | 0 | - | ~ |
| | TOTAL OBS | 155 | 141 | 15 | 2 | 2 | 5 | 2 | 2 | 2 | 155 | 2 | 2 | 785 |
| | | | | | 1 | 1 | 1 | | 1 | | | | 1 | |
| | | 36.3 | | 52.5 | 57.9 | 920 | 71.0 | - | 13.0 | 66.3 | | 12.1 | 41.7 | 58.1 |
| 2 | | 12.277 | 6 | 4.6 | | 2 | | - | | - | 000 | - | | |
| | TOTAL OBS | 155 | | 7 | 2 | 13 | 15 | 15 | 2 | 13 | 155 | 2 | 2 | 182 |
| | MEAN | 36 " | | | | | | | 2 | 4 | 4 | | 0 | |
| • | | 2000 | 200 | 1070 | 0000 | 200 | 200 | 704 | | 7.4.4 | | 007 | 4 | 200 |
| 07 | 6 | 660.31 | 0000 | 2.0 | | | | | 0 | • | | 1000 | | : |
| | TOTAL OBS | 155 | 141 | 15 | 0 | 2 | 2 | 2 | 2 | 2 | 122 | 2 | 2 | 9 |
| | MEAN | 34 4 | 20.6 | 24 | 4 | 0 | 9 | 6 | 1 | 1 | - | | - | |
| | | | | | | 9 6 | 1 | 1 | - | | 45 | | | |
| 17 | | 506 . 71 | | | 010.0 | 0.47.0 | 000 | 0 . | 1 | 0 0 | 1 | 2000 | | - |
| | TOTAL OBS | 155 | 141 | 2 | 2 | 3 | 2 | 2 | - | 3 | 2 | 12 | 0 | 2 |
| | MEAN | 34.8 | 10.7 | 60 | 4 | 6 | a | 6 | - | - | | 6 | | 1 |
| ALL | | | | | | | | | 1 | | | | | |
| HOURS | | - | . 10310.041 | 10.101 | 1010 | 6440 | | | 44 | 00710 | 4000 | 4000 | 00000 | 120 100 |
| | TOTAL OBS | 4 | 1128 | 124 | 120 | 7 | 7 | 124 | 121 | N | 1240 | 1200 | 124 | 3 |

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MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

93839 MEMPHIS, TENNESSEE

73-77

| STATION | | | 5 | STATION NAME | | | | | | YEARS | | | | |
|--------------|----------------------------|-----------------------------|-----------------|------------------------|-----------------------|-----------------------|----------------------|----------------------|-----------------------|-----------------------|-----------------------|--------|-----------------------|------------------------|
| HRS.(L.S.T.) | | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ANNUAL |
| 00 | S. D.
TOTAL OBS | 28.6
14.125
155 | 32.6 | 43.0 | 47.6 | 57.8
7.934
155 | 5.704 | 68.6
4.668
155 | 67.1
5,290
1,39 | 61.1
9.382
150 | 48.5
10.01
158 | 140-1 | 31.2 | 49.3
17.184
1826 |
| 03 | MEAN
S. D.
TOTAL OBS | 28.1 | 32.0
12.077 | 42.2 | 46.9
10.959 | 8.065
8.065 | 63.6
5.607
150 | 68.2
4.990
155 | 56.4
5.331 | 60.2
9.507
150 | 47.7
10.305 | 39.4 | 31.0 | 17.229 |
| 8 | S. D.
TOTAL OBS | 27.8
14.8621 | 31.5 | 1.4
.206
155 | 46.5
10.982
150 | 57.3
7.994
155 | 5,659 | 69.1
4.904
155 | 5,112 | 59.7
9.802
150 | 47.1 | 14.044 | 30.6
12.099
155 | 17,613 |
| 30 | S. D.
TOTAL OBS | 29.8 3 | 3.8 | 155 | 48.4
11.513
150 | 58.8
8.591
155 | 65.3 | 70.7
4.764
155 | 4.810 | 62.6
9.200
150 | 50.7
10,911 | 13,456 | 32,3
11,987
155 | 50.5
17.646
1626 |
| 22 | S. D.
TOTAL OBS | 30.4 3 | 14.1 | 43.1
12.387
155 | 48.1
11.694
150 | 58.3
9.711 | 6.807 | 5,398 | 3,238 | 62.3
9.617
150 | 10,995 | 14.490 | 33.2
12.666
155 | 50.3
17.512
1826 |
| 2 | S. D.
TOTAL OBS | 30.4 | 33.8
12,296) | 43.3 | 48.2
11.516
150 | 57.7
9.360 | 63.6
7.141
150 | 68.8
5.231
155 | 05065
05065 | 61.8
9.409
150 | 48.
19.50
19.50 | 40.0 | 33.1
12.651
155 | 17,212 |
| 91 | S. D.
TOTAL OBS | 13,97611,74012, | 33.5 | 213 | 48.3
11.127
150 | 57.3
9.429
155 | 63.4 | 5.527 | 41989 | 62.3
9.097
150 | 49.9
9.991
1981 | 14.790 | 32,9
12,567
155 | 17,157 |
| 12 | MEAN
S. D.
TOTAL OBS | 29.2 37
14.06311.
155 | 33.7 4 | 3.2
.555
155 | 48.7
10.390 | 58.7
7.876
155 | 5.993 | 69.3
4.708 | 4,898 | 62.0
9.066
150 | 49,3
9,743 | 40.0 | 32.1
12.080
155 | 17,132 |
| ALL | S. D.
TOTAL OBS | 29.2
14.477
1240 | 33.1
11.973 | 42.7
12.078
1240 | 11.107 | 57.9
8.652
1240 | 64.2 | 5.076 | 51177 | 61.5
9.414
1200 | 10,326 | 39.9 | 32.1 | 17.347 |

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RELATIVE HUMIDITY

STATION STATION STATION STATION NAME STATION NAME

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73-77

PERIOD

LAN

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| 121011 | HOURS | | | PERCENTA | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | OF RELATIVE | HUMIDITY GRE | ATER THAN | | | MEAN | TOTAL |
|--------|----------|-------|-------|----------|--|-------------|--------------|-----------|------|------|----------|-------|
| MONIH | (L.S.T.) | %01 | 20% | 30% | 40% | 20% | %09 | 70% | 80% | %06 | HUMIDITY | OBS. |
| JAN | 00 | 100.0 | 100.0 | 100.0 | 10000 | 95.5 | 84.5 | 67.1 | 41,3 | 191 | 76.2 | 155 |
| | 60 | 100.0 | 100.0 | 100.0 | 4.66 | 97.4 | 4.68 | 74.0 | 47,7 | 21.3 | 78,2 | 155 |
| | 90 | 100.0 | 100.0 | 100.0 | 4.66 | 96.8 | 88.4 | 79.2 | 49,7 | 51.9 | 79.1 | 155 |
| | 60 | 100.0 | 100.0 | 100,0 | 4.66 | 96.8 | 82.6 | 69.2 | 4109 | 21.3 | 76.6 | 155 |
| | 12 | 100.0 | 100.0 | 100.0 | 93.5 | 77.4 | 55,5 | 30.7 | 32,6 | 9.7 | 9.50 | 155 |
| | 13 | 100.0 | 100.0 | 4.66 | 85,8 | 71.6 | 48.4 | 29.7 | 16,8 | 3.9 | 61.5 | 155 |
| | 18 | 100.0 | 100.0 | 100.0 | 4.66 | 83.9 | 61.3 | 0.04 | 20,6 | 7.7 | 67.0 | 155 |
| | 17 | 100.0 | 100.0 | 100.0 | 4.66 | 91.6 | 81.9 | 6.10 | 32,9 | 10.1 | 73,5 | 155 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOT | TOTALS | 100.0 | 100.0 | 99,9 | 97.0 | 88.9 | 73.9 | 99.66 | 34,2 | 0.61 | 72.2 | 1240 |

| ENNESSEE | STATION NAME |
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| MEMPHIS. T | |
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73-77

PERIOD

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| TACA | HOURS | | | PERCENTA | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | Y OF RELATIVE | HUMIDITY GRE | EATER THAN | | | MEAN | TOTAL |
|-------|----------|-------|-------|----------|--|---------------|--------------|------------|------|------|----------|-------|
| WOW I | (L.S.T.) | 10% | 20% | 30% | 40% | 20% | %09 | 20% | 80% | %06 | HUMIDITY | OBS. |
| 8 | 8 | 100.0 | 100.0 | 100.0 | 86.8 | 92.9 | 60.08 | 7.06 | 31,9 | 9.2 | 72,8 | 141 |
| | 60 | 100.0 | 100.0 | 100.0 | 86.3 | 95.7 | 88.7 | 8.69 | 39.7 | 11,3 | 75,6 | 141 |
| | 90 | 100.0 | 100,0 | 100.0 | 100,0 | 99.3 | 8 06 | 000 | 44.7 | 8.5 | 77.0 | 141 |
| | 60 | 100.0 | 100,0 | 100,0 | 86.66 | 92.9 | 76.5 | 40.9 | 4.85 | 7.1 | 71.1 | 141 |
| | 12 | 100.0 | 100.0 | 99.3 | 82,3 | 96.0 | 45.4 | 7.12 | 12,8 | 2.1 | 58,3 | 141 |
| | 13 | 100.0 | 100.0 | 92,2 | 8.89 | 45.4 | 36,2 | 0.55 | 8,5 | 2.8 | 53,3 | 141 |
| | 18 | 100.0 | 100.0 | 99,3 | 85.8 | 6009 | 37.6 | 2002 | 6.6 | 8.8 | 57.9 | 141 |
| | 12 | 100.0 | 100.0 | 100.0 | 97.2 | 90.6 | 10.9 | 177. | 23,4 | 4.0 | 68.7 | 141 |
| | | | | | | 7 | | | | | | |
| | | _ | | | | | | | | | | |
| 5 | TOTALS | 100.0 | 100.0 | 98.9 | 91.5 | 79.2 | 65.6 | 6.00 | 6.42 | 6.9 | 66.8 | 1128 |

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STATION NAME MEMPHIS, TENNESSEE 93839

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73-77

MONTH MAR

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

155 155 155 155 155 1240 155 155 155 NO. OF MEAN RELATIVE HUMIDITY 72.2 74.0 67.0 65.2 75.4 66.3 56.7 53.1 50.7 5.5 5.6 1:0 6:1 5.6 4:1 6.5 9.7 7:1 %06 37,4 0.0 23,7 12,9 30.3 43,2 20.0 13.5 23.2 80% 44.0 65.2 00.00 23.2 6.12 6.14 55.5 ... 25.5 PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN 20% 41.9 41.9 81,3 85.8 32.3 61.5 5.69 67.1 78.1 %09 76.5 93.5 80.0 51.0 56.8 8.46 84.5 93.5 58.1 20% 4.68 76.8 71.6 80.0 98.7 2.46 8.96 98.7 98.7 40% 4.66 96.8 97.6 90,3 95.5 98.7 100.0 100.0 100.0 30% 10000 7.66 100.0 100.0 100.0 100.0 4.66 98.7 4.66 100.0 20% 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 30% HOURS (L.S.T.) 60 90 12 18 00 50 12 5 TOTALS MONTH MAR

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MEMPHIS, TENNESSEE 93839

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STATION NAME

73-77

APR.

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| TOTAL | OBS. | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | | 1200 |
|--|----------|-------|-------|-------|--------|-------|-------|-------|---------|--|--------|
| MEAN | HUMIDITY | 71,8 | 76,3 | 78,3 | 62.4 | 53,1 | 50.5 | 35,6 | 67.0 | | *: |
| | %06 | 10.0 | 14.7 | 16.0 | 0.0 | 4:0 | 4:1 | 0.8 | 0.0 | | 6.7 |
| | 80% | 32,0 | 39,3 | 48,0 | 16,0 | 12,7 | 12,0 | 16,0 | 24,0 | | 25,0 |
| ATER THAN | 70% | 6,56 | 100 | 78.0 | 95.0 | 17.3 | 20.7 | 20.05 | 30.0 | | 0.4. |
| PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | %09 | 76.7 | 85.3 | 67,3 | 49.3 | 32,7 | 28.0 | 32,7 | 61.3 | | 56.4 |
| OF RELATIVE | 20% | 91,3 | 7.96 | 99.3 | 73.3 | 44.7 | 39.3 | 51.3 | 88.0 | | 73.0 |
| GE FREQUENCY | 40% | 97,2 | 100.0 | 100.0 | 95,3 | 68.7 | 56.7 | 72,7 | 96.7 | | 85.9 |
| PERCENTA | 30% | 100.0 | 100.0 | 100.0 | 100:00 | 93.3 | 96.0 | 1.96 | 100,001 | | 97:0 |
| | 20% | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99,3 | 100,0 | 100.0 | | 99,9 |
| | 10% | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | | 100.0 |
| HOURS | (L.S.T.) | 00 | 60 | 90 | 60 | 12 | 15 | 18 | 21 | | ALS |
| n n | MONIE | APR | | | | | | | | | TOTALS |

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| TNOW | HOURS | | | PERCENT | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | Y OF RELATIVE | HUMIDITY GRI | EATER THAN | | | MEAN | TOTAL |
|--------|----------|-------|-------|---------|--|---------------|--------------|------------|------|------|----------|--------|
| MONIN | (L.S.T.) | 10% | 20% | 30% | 40% | 20% | %09 | 70% | 80% | %06 | HUMIDITY | NO. OF |
| MAY | 8 | 100.0 | 100.0 | 100.0 | 100,0 | 1006 | 86,5 | 74.3 | 484 | 9.0 | 76.6 | 155 |
| | 60 | 100.0 | 100.0 | 100:0 | 100,0 | 4.66 | 6.26 | 76.7 | 55,5 | 4:4 | 79.5 | 155 |
| | 90 | 100.0 | 100.0 | 100.0 | 100.0 | 4.66 | 96,1 | 8. | 67,7 | 14.2 | 81.8 | 155 |
| | 60 | 100.0 | 100.0 | 100:0 | 96.8 | 84.5 | 65.2 | 30.1 | 16,8 | 3.6 | 66,2 | 155 |
| | 12 | 100.0 | 100.0 | 94:2 | 0.08 | 58.1 | 33.5 | 9.02 | 11,6 | 3.5 | 55.7 | 155 |
| | 15 | 100.0 | 4.66 | 90:3 | 72,3 | 91.0 | 31.6 | 1001 | 10,3 | | 52,5 | 155 |
| | 18 | 100.0 | 100.0 | 92.3 | 78,1 | 57.4 | 38,1 | 29.2 | 13,5 | | 56.1 | 155 |
| | 17 | 100.0 | 100.0 | 100,0 | 4.66 | 92.9 | 76.8 | 92.9 | 28,4 | 3.9 | 71.3 | 155 |
| | | | | | | | | | | | 6 | |
| | | | | | | | | | | | | |
| TOTALS | SIN | 100.0 | 6.66 | 97.1 | 90.8 | 79.9 | 65.1 | 91 | 31,5 | 5,7 | 67,5 | 1240 |

MEMPHIS, TENNESSEE STATION

73-77

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| | HOURS | 4 . | | PERCENTA | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | T OF RELATIVE | HUMIDITY GRE | EATER THAN | | | MEAN | TOTAL |
|-------|----------|-------|-------|----------|--|---------------|--------------|------------|------|------|----------|-------|
| MONIH | (L.S.T.) | 10% | 20% | 30% | 40% | 20% | %09 | 20% | 80% | %06 | HUMIDITY | OBS. |
| NOS | 00 | 100.0 | 100,0 | 100:0 | 100.0 | 97.3 | 93.3 | 79.0 | 0.44 | 0.0 | 77,2 | 150 |
| | 60 | 100.0 | 100.0 | 100.0 | 100.0 | 99.3 | 96.7 | 0.00 | 1,00 | 10.7 | 81.0 | 150 |
| | 90 | 100.0 | 100.0 | 100.0 | 100.0 | 69.3 | 97.3 | 6.4 | 240 | 12.7 | 82.2 | 150 |
| | 60 | 100.0 | 100.0 | 100:0 | 98.0 | 84.7 | 58,0 | 30.0 | 16,0 | | 64.0 | 150 |
| | 12 | 100.0 | 100.0 | 1.86 | 80.7 | 55.3 | 33,3 | 19.0 | 200 | | 54.5 | 150 |
| | 15 | 100.0 | 100.0 | 7:46 | 71.3 | 46.7 | 23,3 | 10.7 | 5,3 | 5.0 | 50.7 | 150 |
| | 1.6 | 100.0 | 100,0 | 95.3 | 0.08 | 52.7 | 30.7 | 19.3 | 5,3 | 5.0 | 53.6 | 150 |
| | 12 | 100.0 | 100.0 | 100,0 | 98,0 | 91.3 | 76.7 | 40.7 | 2007 | 0.4 | 1.60 | 150 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| 0 | TOTALS | 100.0 | 100.0 | 98.0 | 91.0 | 78.3 | 63.4 | 47.3 | 27,9 | | 66.7 | 1200 |

MENDIS, TENNESSEE 93839 STATION

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| | | PERCENTA | AGE FREQUENC | Y OF RELATIVE | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | EATER THAN | | | MEAN | TOTAL
NO. OF |
|-------|-------|----------|--------------|---------------|--|------------|---------|------|----------|-----------------|
| | 20% | 30% | 40% | 20% | %09 | 20% | 80% | %06 | HUMIDITY | OBS. |
| 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 97.4 | 89.68 | 45,8 | 7.7 | 79,2 | 155 |
| 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 4.66 | 8.50 | 63,2 | 17.4 | 83.5 | 155 |
| 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100,0 | 89.5 | 4 6 8 4 | 29.7 | 85,2 | 155 |
| 100.0 | 100.0 | 100:0 | 100.0 | 97.4 | 70,3 | 30,3 | 4.4 | 3.6 | 0.70 | 155 |
| 100.0 | 100.0 | 4.66 | 6.59 | 65.8 | 28,4 | 4.01 | 4,5 | 1:3 | 55.9 | 155 |
| 100.0 | 100.0 | 100,0 | 85.6 | 49.0 | 21,9 | 10,3 | 3,2 | | 52,4 | 155 |
| 100.0 | 100.0 | 100:0 | 89.0 | 67.7 | 40.0 | 17.4 | 7,7 | 4.6 | 58.0 | 155 |
| 100.0 | 100.0 | 100,0 | 100.0 | 4.66 | 85,2 | 55.4 | 27,1 | 9.6 | 73,1 | 155 |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| 100.0 | 100.0 | 6.66 | 0.96 | 84.9 | 67.9 | 50.2 | 28,7 | | 69,3 | 1240 |

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STATION NAME MEMPHIS, TENNESSEE 93839 STATION

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73-77

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| THOM | HOURS | | | PERCENTA | AGE FREQUENC | Y OF RELATIVE | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | ATER THAN | | | MEAN | TOTAL |
|--------|---------|-------|-------------|----------|--------------|---------------|--|-----------|---------|------|----------|-------|
| | (LS.T.) | 10% | 20% | 30% | 40% | 20% | %09 | 20% | %08 | %06 | HUMIDITY | 08S. |
| AUG | 8 | 100.0 | 100.0 | 100.0 | 100,0 | 100.0 | 7.86 | 19.70 | 0 0 0 0 | 17.4 | 82,2 | 155 |
| | 60 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100,0 | 7.55 | 72,3 | 25,2 | 85,8 | 155 |
| | 90 | 100.0 | 100.0 | 100,0 | 100,0 | 100.0 | 100.0 | 40.4 | 9008 | 32,3 | 81,8 | 155 |
| | 60 | 100.0 | 100.0 | 100.0 | 100.0 | 98.1 | 85.2 | 29.5 | 14,2 | 2.0 | 69.8 | 155 |
| | 12 | 100.0 | 10000 | 100.0 | 95.5 | 72.9 | 33,5 | 11.0 | 4,5 | 5.6 | 97.6 | 155 |
| | 15 | 100.0 | 100.0 | 100,00 | 93.5 | 58.1 | 24.5 | 1100 | 5,2 | 1:0 | 98.0 | 155 |
| | 8 | 100.0 | 100.0 100.0 | 100.0 | 4.66 | 83.9 | 39.4 | 15.5 | 8 . 4 | 2.6 | 6009 | 155 |
| | 17 | 100.0 | 100.0 | 100.0 | 10000 | 100.0 | 1,96 | 79.8 | 32,3 | 5.5 | 76.1 | 155 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | STV | 100.0 | 100.0 100.0 | 100,0 | 98.6 | 1.68 | 72,2 | 4.¢¢ | 34.7 | 211 | 71.8 | 1240 |

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TOTAL NO. OF OBS.

150

150

150

150

150

150

120

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RELATIVE HUMIDITY

STATION NAME MENDIIS, TENNESSEE 93839 STATION

73-77

MONTH SEP

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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| MEAN | RELATIVE | 81.9 | 83,5 | 85.5 | 71.6 | 59.7 | 56,8 | 66.8 | 79.0 | | | 73,1 |
|--|----------|-------|-------|---------|-------------|-------|-------|-------|-------|--|--------|--------|
| | %06 | 15.3 | 19.3 | 32.0 | 7.3 | 4:7 | 2:7 | 3.3 | 11,3 | | | 12.0 |
| | %08 | 600,7 | 2040 | 69,3 | 28,7 | 8,7 | 8,0 | 16,7 | 48,7 | | | 38,2 |
| ATER THAN | %02 | 87,3 | 91.3 | 93.3 | 90.06 | 24.0 | 19.3 | 34.0 | 1.99 | | | 5000 |
| PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | %09 | 0.86 | 99,3 | 99,3 | 78,7 | 44.0 | 35,3 | 64.7 | 95.3 | | | 76.8 |
| OF RELATIVE | 20% | 6666 | 99.3 | 99.3 | 96.0 | 72.0 | 63.3 | 88.7 | 99.3 | | | 89.7 |
| GE FREQUENCY | *0* | 100,0 | 100.0 | 100.0 | 98.7 | 95,3 | 86.0 | 7.86 | 100,0 | | 100 mm | 97,3 |
| PERCENTA | 30% | 0.001 | 100.0 | 100,001 | 100.0 | 98.7 | 98.0 | 99.3 | 100:0 | | | 99:5 |
| | 20% | 100.0 | 100.0 | 10000 | 100.0 100.0 | 99.3 | 66.6 | 100.0 | 100.0 | | | 8.66 |
| | 10% | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | | | 100.0 |
| HOURS | (LS.T.) | 00 | 60 | 90 | 60 | 13 | 13 | 18 | 12 | | | 511 |
| MONTH | | SEP | | | | | | | | | | TOTALS |

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MEMPHIS, TENNESSEE 93839 STATION

73-77

MONTH 130

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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| - | RELATIVE NO. OF HUMIDITY OBS. | 79.1 155 | 81,8 155 | 83.8 155 | 67.9 155 | 51.2 155 | 46.9 155 | 60,1 155 | 1 |
|--|-------------------------------|----------|----------|----------|----------|----------|----------|----------|-------|
| | %06 | 19.8 | 18,1 | 20,02 | 4:5 | 3.6 | 90 | 3.6 | 1 |
| | 80% | 5043 | 0.00 | 2,80 | 16,8 | 6,9 | 3,9 | 4.4 | |
| ATER THAN | 20% | 70.7 | 84.5 | 89.7 | 45.2 | 11.6 | 0.% | 17.4 | |
| HUMIDITY GRE | %09 | 94.8 | 97.4 | 46.66 | 67.7 | 27,7 | 20.0 | 38.7 | |
| OF RELATIVE | 20% | 4.66 | 7.86 | 4.66 | 92.9 | 43.2 | 32.9 | 75.5 | |
| PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | 40% | 100,0 | 100,0 | 100.0 | 7.86 | 70,3 | 54.8 | 1.96 | 100 |
| PERCENTA | 30% | 100,001 | 100,001 | 100,0 | 100.0 | 95.5 | 91,0 | 100.0 | 100.0 |
| | 20% | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| | 10% | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| HOURS | (L.S.T.) | 00 | 60 | 90 | 60 | 12 | 15 | 18 | 21 |
| | MONTH | 100 | | | | | | | |

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MEMPHIS, TENNESSEE 93839 STATION

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STATION NAME

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS | | | PERCENTA | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | Y OF RELATIVE | HUMIDITY GR | EATER THAN | | | MEAN | TOTAL |
|--------|----------|-------|-------|----------|--|---------------|-------------|------------|------|------|----------|----------------|
| | (L.S.T.) | %01 | 20% | 30% | 40% | 20% | %09 | 20% | 80% | %06 | RELATIVE | NO. OF
OBS. |
| VON | 8 | 100.0 | 100.0 | 100.0 | 100.0 | 95.3 | 80.0 | 0.40 | 38,0 | 13.3 | 74.7 | 150 |
| | 60 | 100.0 | 100,0 | 100.0 | 66.3 | 95.3 | 86.0 | 70.07 | 43,3 | 14:7 | 77.2 | 150 |
| | 90 | 100.0 | 100.0 | 100,0 | 100.0 | 98.7 | 89.3 | 70.7 | 48,0 | 18.7 | 78,3 | 150 |
| | 60 | 100.0 | 100,0 | 100.0 | 196.1 | 86.7 | 70.0 | 0.00 | 32,0 | 9.3 | 69.8 | 150 |
| | 12 | 100.0 | 100.0 | 96.0 | 75.3 | 58.7 | 42.7 | 30.0 | 19,3 | 5,3 | 58.4 | 150 |
| | 13 | 100.0 | 98.7 | 86.7 | 0.99 | 69.3 | 37,3 | 28.0 | 16,0 | 0.4 | 54.5 | 150 |
| | 1.8 | 100.0 | 100.0 | 7.86 | 93,3 | 74.7 | 53,3 | 30.7 | 24.0 | 8.0 | 64.3 | 150 |
| | 12 | 100.0 | 100.0 | 100.0 | 7.96 | 88.0 | 72,7 | 50.7 | 34,0 | 10.0 | 71.3 | 150 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | 4LS | 100.0 | 8,66 | 7.76 | 6.06 | 80.8 | 9000 | 9.44 | 31.6 | 10.4 | 68.6 | 1200 |

STATION NAME MEMPHIS, TENNESSEE 93839 STATION

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73-77

PERIOD

DEC

| CUMULATIVE | CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE | FREQUENCY | Ö | OCCURRENCE |
|------------|---|-------------|-----|------------|
| | (FROM HOURLY OBSERVATIONS) | C OBSERVATI | SNO | |

| 1 | HOURS | | | PERCENTA | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | Y OF RELATIVE | HUMIDITY GRE | ATER THAN | | | MEAN | TOTAL |
|-------|---------|-------|-------|----------|--|---------------|--------------|-----------|------|------|----------|-------|
| MONIH | (LS.T.) | 10% | 20% | 30% | 40% | 20% | %09 | 70% | %08 | %06 | HUMIDITY | OBS. |
| DEC | 00 | 100.0 | 100.0 | 100.0 | 100,0 | 93.5 | 82.6 | 97.4 | 36,8 | 1.7 | 73,2 | 155 |
| | 60 | 100.0 | 100.0 | 100.0 | 4.66 | 8.46 | 86,5 | 4.00 | 45.2 | 12.3 | 76.0 | 155 |
| | 90 | 100.0 | 100.0 | 100.0 | 100.0 | 97.4 | 89.7 | 74.0 | 49.7 | 16.8 | 77,8 | 155 |
| | 60 | 100.0 | 100.0 | 100.0 | 100.0 | 95.5 | 63.9 | 99.46 | 33,5 | 14.2 | 74,3 | 155 |
| | 12 | 100.0 | 100.0 | 4.66 | 91.6 | 71.0 | 50,3 | 36,3 | 19.4 | 4. | 65.9 | 155 |
| | 15 | 100.0 | 100.0 | 96.1 | 19.4 | 65.2 | 43.2 | 7.42 | 14,8 | 5.5 | 58,9 | 155 |
| | 18 | 100.0 | 100.0 | 100.0 | 96.8 | 81.3 | 65.2 | 6.4. | 18,1 | 6.5 | 8.99 | 155 |
| | 21 | 100.0 | 100.0 | 100.0 | 100,0 | 89.7 | 76.1 | 6.36 | 32,9 | 7.7 | 72.0 | 155 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| 5 | TOTALS | 100.0 | 100.0 | 4.66 | 95.9 | 86.1 | 72.2 | 97.6 | 31.3 | 6.6 | 70.2 | 1240 |

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| TES TES | | | | LEKCENIA | DE TREMOENCE | OF KELATIVE | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | AIEK INAN | | | MEAN | A CA |
|---------|----------|-------|-------|----------|--------------|-------------|--|-----------|------|------|----------|-------|
| JAN FEB | (1.5.1.) | 10% | 20% | 30% | 40% | 20% | %09 | %02 | %08 | %06 | HUMIDITY | OBS. |
| PE8 | ALL | 100,0 | 100.0 | 6,66 | 97.0 | 88.9 | 73.9 | 99.9 | 34,2 | 15.0 | 72,2 | 1240 |
| | | 100.0 | 100.0 | 6.86 | 91,5 | 79.2 | 9.69 | 64.3 | 54.9 | 6.9 | 8,00 | 1128 |
| KAR | | 100.0 | 7.66 | 97.6 | 4.68 | 76.5 | 61.5 | 44.0 | 7,65 | 4:1 | 2.50 | 1340 |
| APR | | 100.0 | 6.66 | 97.0 | 88.9 | 73.0 | 56.4 | 0.44 | 25,0 | 8.7 | +.+0 | 1200 |
| MAY | | 100.0 | 6.66 | 97.1 | 90.8 | 19.9 | 65,1 | 40.5 | 31,5 | 5.7 | 67.5 | 1240 |
| 200 | | 100.0 | 100.0 | 98.6 | 91.0 | 78.3 | 63.4 | 47.3 | 27,9 | 4.8 | 1.99 | 1200 |
| JUL | | 100.0 | 100.0 | 6.66 | 0.96 | 84.9 | 61,9 | 50.5 | 28,7 | 4.0 | 69,3 | 1240 |
| AUG | (1) | 100.0 | 100.0 | 100,001 | 98.6 | 89.1 | 72.2 | 95.4 | 34,7 | 11:2 | 71.8 | 1240 |
| SEP | | 100.0 | 8.66 | 66.6 | 97,3 | 89.7 | 76.8 | 60.2 | 38,2 | 12.0 | 73,1 | 1200 |
| 130 | | 100.0 | 100.0 | 98.3 | 0.06 | 4.64 | 6.99 | 90.4 | 30,1 | 9.8 | 68.2 | 1240 |
| NON | | 100.0 | 8.66 | 97.7 | 6.06 | 80.8 | 4.00 | 47.8 | 31,8 | 10.4 | 9.89 | 1200 |
| DEC | | 100.0 | 100.0 | 4.66 | 6.86 | 86.1 | 72.2 | 91.0 | 31,3 | 6.6 | 70,2 | 1240 |
| 101 | TOTALS | 100.0 | 6.66 | 98.7 | 92.9 | 82.2 | 67.4 | 47.8 | 30,2 | 8.8 | 68.7 | 14608 |

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JAN 1973-DEC 1977 WIND DIRECTION

JANUARY

ALL HOURS (L.S.T.)

93839 STATION

| STATION NAME STATION NAME |
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|------------|-----------------|------|------|-------------|-------|-------------|----------|-------|------|----------------|---------------|
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z « | NN 8 | A W | ESE
& SE | SSE | SSW
8 SW | wsw
w | 3 3 X | CALM | TOTAL
FREG. | % OF
TOTAL |
| 122+ | | | | | | | | | | | |
| 117 TO 121 | | | | | | | | | | | |
| 112 TO 116 | | | | | | | | | | | |
| 111 01 201 | | | | | | | | | | | |
| 102 TO 106 | | | | | | | | | | | |
| 101 01 76 | | | | | | | | | | | |
| 92 TO 96 | | | | | | | | | | | |
| 16 01 78 | | | | | | | | | | | |
| 82 TO 86 | | | | | | | | | | | |
| 18 01 77 | | | | | | | | | | | |
| 72 TO 76 | | | | | 20.0 | 0.09 | 20.0 | | | 5 | 4. |
| 67 TO 71 | | | | 7.1 | 64.3 | 28.6 | | | | 14 | 1.1 |
| 62 TO 66 | 4.7 | | | 6.6 | 53.5 | 27.9 | 2.3 | 2.3 | | 64 | 3.5 |
| 57 TO 61 | | | 6.7 | 6.7 | 46.7 | 22.7 | 6.7 | 5.3 | 4.0 | 15 | 0.9 |
| 52 TO 56 | 2.0 | 1.3 | 6.3 | 8.8 | 27.5 | 22.5 | 16.3 | 7.5 | 5.0 | 08 | 6.5 |
| 47 TO 51 | 9.5 | 4.6 | 7.7 | 13.8 | 18 | 13.8 | 16.9 | 9.2 | 6.2 | 130 | 10.5 |
| 42 TO 46 | 15.0 | 7,1 | 8.0 | 3.6 | 17.1 | 15.0 | 17.9 | 5.7 | 10.0 | 140 | 11.3 |
| 37 TO 41 | 15.6 | 3.5 | 12.1 | 6.4 | 12.8 | 2.0 | 6.6 | 12,1 | 17.0 | 141 | 11.4 |
| 32 TO 36 | 16.5 | 10,3 | 12.4 | 8.8 | 4.6 | 4.1 | 6.7 | 16.5 | 20.1 | 194 | 15.6 |
| 27 TO 31 | 28.5 | 15.2 | 10.1 | 5.7 | 0.7 | | 2.5 | 7.6 | 19.6 | 158 | 12.7 |
| 22 TO 26 | 32.1 | 16.8 | 6.6 | 1.6 | 6.0 | . E | 6.9 | 3.1 | 13.0 | 131 | 10.6 |
| 17 TO 21 | 31.7 | 23.8 | 6.6 | 4.0 | 1.6 | 6.3 | 3.2 | 6.3 | 12.7 | 63 | 5.1 |
| 12 TO 16 | 34.3 | 5.9 | 5.6 | | | | 8.6 | 14.3 | 37.1 | 35 | 2.8 |
| 7 70 11 | 22.0 | 10.0 | 2.0 | | 2.0 | | 20.0 | 2.0 | | 20 | 1.6 |
| 2 70 6 | 9.1 | 18.2 | 18,2 | | | | 18.2 | 9.1 | 27.3 | 11 | 6. |
| -3 TO 1 | | | | | | | | | | | |
| -8 10-4 | | | | | | | | | | | |
| -13 TO -9 | | | | | | | | | | | |
| -18 TO-14 | | | | | | | | | | | |
| -23 TO-19 | | | | | | | | | | | |
| -28 TO-24 | | | | | | | | | | | |
| -33 TO-29 | | | | | | | | | | | |
| -38 TO-34 | | | | | | | | | | | |
| -43 TO-39 | | | | | | | | | | | |
| -48 TO-44 | | | | | | | | | | | |
| -53 TO-49 | | | | | | | | | | | |
| -58 TO-54 | | | | | | | | | | | |
| | | | | | | | | | | | |
| TOTALS | 18.1 | 4.6 | 0.6 | 7.1 | 1.5.1 | 6.6 | 9.6 | R.6 | 13.2 | 1740 | 000 |

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WIND DIRECTION

FEBRUARY

ALL HOURS (L.S.T.)

WIND DIRECTION

JAN 1973-DEC 1977

MEMPHIS, TENNESSEE

93839 STATION

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| PERCENTAGE FREQUENCY OF AIR TEMPERATURE | |
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| FREQUENCY | 3/1 |
| PERCENTAGE | |
| | |

VS. WIND DIRECTION

MARCH

ALL HOURS (L.S.T.)

JAN 1973-DEC 1977

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ZEXPIIS, TENNESSEE

93839 STATION

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|---|--|-------|----------|---|------|------------|------|
| 2.9 1.4 8.6 1.0.1 2.4 2.4 9.0 11.4 8.6 19.0 11.4 19.9 5.3 21.9 9.9 22.7 12.5 14.8 11.4 22.4 32.8 15.5 14.8 11.4 22.4 32.8 15.5 5.2 9.5 14.3 23.8 15.5 5.2 9.5 14.3 23.8 15.5 5.2 9.5 14.3 23.8 15.5 5.2 9.5 14.3 23.8 15.5 5.2 9.5 14.3 23.8 15.5 5.2 9.5 14.3 15.7 16.7 16.7 16.7 16.7 16.7 16.7 16.7 16 | | | | | | 5 | |
| 2.9 1.4 8.6
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| 2.4 2.9 1.4 8.6 16.1 2.9 1.4 8.6 19.0 11.4 2.4 9.0 11.4 19.9 5.3 21.9 9.9 22.7 12.5 14.8 11.4 22.4 32.8 15.5 5.2 9.5 14.3 23.8 15.7 16.7 16.7 16.7 16.7 16.7 16.7 16.7 16 | | | | | | | |
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| 2.4 2.9 1.4 8.6 19.0 14.1 7.5 13.6 19.0 11.4 19.9 5.3 21.9 9.9 22.7 12.5 14.8 11.4 22.4 32.8 15.5 5.2 9.5 14.3 23.8 15.7 5.2 9.5 14.3 5.2 9.5 9.5 14.3 5.2 9.5 9.5 9.5 9.5 9.5 9.5 9.5 9.5 9.5 9.5 | | | | | | | |
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WIND DIRECTION

ALL HOURS (L.S.T.)

APRIL

JAN 1973-DEC 1977

MEMPHIS, TENNESSEE

93839 STATION

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| | | | | | | | | | | |
| 12 TO 121 | | | | | | | | | | |
| 112 TO 116 | | | | | | | | | | |
| 111 07 701 | | | | | | | | | | |
| 102 TO 106 | | | | | | | | | | |
| 101 01 26 | | | | | | | | | | |
| 92 TO 96 | | | | | | | | | | |
| 16 01 78 | | | 50.0 | 50.0 | | | | | 2 | .2 |
| 82 10 86 3.2 | | | 4.5 | 54,8 | 25.8 | 6.5 | | | 37 | 2.6 |
| 18 01 77 | | 1.3 | 7.7 | 50.0 | 25.6 | 11.5 | | 3.8 | 78 | 6.5 |
| 72 TO 76 | 6. | 9.1 | 2.00 | 39.1 | 31.8 | 7.3 | 6. | 2.7 | 110 | 9.2 |
| 0.1071 5.0 | | 3.9 | 6.8 | 45.0 | 17.2 | 7.2 | 4.4 | 1:- | 180 | 15.0 |
| - | - | 10.5 | 16.9 | 24.5 | 6.8 | 7.6 | 10.1 | 3.5 | 237 | 19.8 |
| 57 10 61 7.6 | | 11.2 | 17.6 | 16.3 | 4.7 | 3.9 | 8.8 | 12.4 | 170 | 14.2 |
| | | 13.8 | 15.2 | 5.5 | 7.6 | 0.6 | 11.7 | 11.0 | 145 | 12.1 |
| | _ | 17.2 | 6.3 | 4.7 | 5.5 | 5.5 | 18.8 | 16.4 | 128 | 10.7 |
| | | 21.7 | 4.3 | | 1.4 | 10.1 | 15.9 | 20.3 | 69 | 5.8 |
| | | 13.5 | 3.4 | | 2.1 | 21.6 | 8.1 | 32.4 | 37 | 3.1 |
| 32 TO 36 7.7 | | | | | | | 15.4 | 76.9 | 13 | 1.1 |
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WIND DIRECTION

MEMPILS, TENNESSEE STATION NAME

93839 STATION

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JAN 1973-DEC 1977

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| 17 10 121 | | | | | | | | | | | |
| 112 TO 116 | | | | | | | | | | | |
| 111 OT 201 | | | | | | | | | | | |
| 102 TO 106 | | | | | | | | | | | |
| 101 01 26 | | | | | | | | | | | |
| 92 TO 96 | | | | 20.0 | 20.0 | | 40.0 | 20.0 | | S | * |
| 16 01 78 | 2.1 | 2.1 | 10.6 | 8.5 | 40.4 | 23.4 | 4.9 | 2.1 | 4.3 | 14 | 3.8 |
| 82 TO 86 | 4.7 | 7.5 | 3.8 | 9.9 | 49.1 | 17.9 | 4.7 | 3.8 | 1.9 | 106 | 8 |
| 18 01 77 | 404 | 5.0 | 4.6 | 14.5 | 20.8 | 25.2 | 11,3 | 6.9 | 2.5 | 661 | 12.8 |
| 72 10 76 | 7.2 | 9.0 | 12.6 | 13.1 | 22.5 | 14.9 | 6.8 | 5.0 | 0.6 | 222 | 17.9 |
| 1 12 07 78 | 12.9 | 11.8 | 16.6 | 15.5 | 16.6 | 8.1 | 5.2 | 4.1 | 9.2 | 271 | 21.9 |
| 62 TO 66 | 10.4 | 13.0 | 17.3 | 15.2 | 14.3 | 5.0 | 3.9 | 6.9 | 13.4 | 787 | 18.6 |
| | 13.7 | 16.1 | 16.9 | 10.5 | 10.5 | 1.0 | 4.8 | 4.0 | 21.8 | 124 | 10.0 |
| 52 TO 56 | 8.2 | 20.4 | 16.3 | 8.2 | 2.0 | 6.1 | | 4.1 | 34.7 | 64 | 4.0 |
| | 15.8 | 21.1 | 21.1 | 5.3 | | | | 5.3 | 31.6 | 1.9 | 1.5 |
| | 16.7 | | 16.7 | 16.7 | | | | | 50.0 | 9 | .5 |
| 37 TO 41 | | | | | | | | | 100.0 | ~ | • |
| 32 TO 36 | | | | | | | | | | | |
| 27 10 31 | | | | | | | | | | | |
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WIND DIRECTION

ALL HOURS (L.S.T.)

NONTH MONTH

JAN 1973-DEC 1977

MEMPHIS, TENNESSEE

93839 STATION

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| 117 TO 121 | | | | | | | | | | | |
| 112 TO 116 | | | | | | | | | | | |
| 107 TO 111 | | | | | | | | | | | |
| 102 TO 106 | | | | 1 | | | 1 | | | | ľ |
| 97 TO 101 | | | | 33.3 | | | 1.00 | | | 0 | |
| 92 10 96 | 5.3 | 5.0 | 5.3 | 5.3 | 13.2 | 26.3 | 31.6 | 5.3 | 2.6 | 36 | 3.5 |
| 87 TO 91 | 3.5 | 6.0 | 6.0 | 10.4 | 14.5 | 34. | 18.8 | 2.0 | | *** | 15.0 |
| 82 TO 86 | 9.9 | 3.0 | 8.6 | 9.1 | 20.7 | 23.7 | 19.2 | 4.0 | 5.1 | 198 | 16.5 |
| 18 07 77 | 2.9 | 8.4 | 10.2 | 11.5 | 6.61 | 19.0 | 10.2 | 6.2 | 8.4 | 927 | 18.8 |
| | 7.3 | 7.3 | 8.3 | 17.0 | 24.7 | 13.3 | 5.7 | 3.7 | 12.7 | 300 | 25.0 |
| | 12.2 | 8.0 | 16.6 | 11.0 | 10.5 | 8.8 | 5.5 | 2.0 | 21.5 | 181 | 15.1 |
| | 20.0 | 4.7 | 15.3 | 14.1 | 4.1 | | 5.4 | 8.9 | 32.9 | 68 | 7.1 |
| | 33.3 | 4.2 | | | | | | 12.5 | 20.0 | 54 | 2.0 |
| 52 TO 56 | | | | | | | | | | | |
| 47 TO 51 | | | , | | | | | | | | |
| 42 TO 46 | | | | | | | | | | | |
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WIND DIRECTION

JAN 1973-DEC 1977

93839 STATION

ALL HOURS (L.S.T.)

MEMPHIS, TENNESSEE

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TOTAL |
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| 117 TO 121 | | | | | | | | | | | |
| 112 TO 116 | | | | | | | | | | | |
| 107 TO 111 | | | | | | | | | | | |
| 102 TO 106 | | | | | | | | | | | |
| 97 TO 101 | 5.9 | | 11.8 | | 11.8 | 23.5 | 35,3 | 5.9 | 5.9 | 17 | 1.4 |
| 92 TO 96 | 10.7 | 8.7 | 12.6 | 6.4 | 11.7 | 16.4 | 23.3 | 8.7 | 1.0 | 103 | 8.3 |
| 16 01 78 | 7.6 | 8.9 | 9.6 | 0.8 | 12.9 | 15.2 | 19.2 | 11.6 | 6.7 | 524 | 1.8.1 |
| 82 TO 86 | 2.0 | 4.00 | 12.1 | 7.0 | 17.7 | 16.1 | 11.6 | 7.9 | 6.3 | 512 | 17.3 |
| 77 TO 81 | 5.5 | 10.0 | 12.4 | 14.5 | 20.0 | 6.9 | 6.9 | 4.1 | 17.6 | 290 | 23.4 |
| 72 10 76 | 4.5 | 7.5 | 14.4 | 11.0 | 17.1 | 10.3 | 3.1 | | 31.8 | 767 | 23.5 |
| 17 07 79 | 7.2 | 11.6 | 11.6 | 9.11 | | 2.9 | 1.4 | 5.8 | 39.1 | 69 | 5.6 |
| 62 TO 66 | 26.1 | 4.3 | 13.0 | 4.3 | | | | 4.3 | 47.8 | 23 | 1.9 |
| 57 TO 61 | 14.3 | | | | | | | | 85.7 | 1 | 9. |
| 52 TO 56 | | | | | | | | | | | |
| 47 10 51 | | | | | | | | | | | |
| 42 TO 46 | | | | | | | | | | | |
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| -13 TO -9 | | | | | | | | | | | |
| -18 10-14 | | | | | | | | | | | |
| -23 10-19 | | | | | | | | | | | |
| -28 10-24 | | | | | | | | | | | |
| -33 TO-29 | | | | | | | | | | | |
| -38 10-34 | | | | | | | | | | | |
| -43 TO-39 | | | | | | | | | | | |
| -48 TO-44 | | | | | | | | | | | |
| -53 TO-49 | | | | | | | | | | | |
| -58 TO-54 | | | | | | | | | | | |
| -59 & LWR | 1 | | | | | | | | | | |
| TOTALS | 6.8 | 8.6 | 12.3 | 9.6 | 15.7 | 12.7 | 10.3 | 5.7 | 18.1 | 1240 100.0 | 100.0 |

NAVWEASERVCOM

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| ITAGE FREQUENCY | 417 |
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| ERCENTAGE FREQUENCY | |
| PERCENTAGE FREQUENCY OF AIR TEMPERATURE | • |

VS. WIND DIRECTION

AUGUST

| MEMPHIS | EMPHIS, TENNESSEE | JAN 1973-DEC 1977 | AUGUST |
|---------|-------------------|-------------------|--------|
| | STATION NAME | YEARS | MONTH |

| | | | | | | | | - | | | |
|-------------|------|------|------|-------|------|------|-------|---------|------|-------|-------|
| TEMP. | N Z | NNE | ENE | ESE | SSE | SSW | wsw | 3 3 X X | CALM | TOTAL | % OF |
| 122+ | 2 8 | 8 | 8 | 30.80 | 3 | 5 | 5 | | | | |
| 17 10 121 | | | | | | | | | | | |
| 112 TO 116 | | | | | | | | | | | |
| 107 TO 111 | | | | | | | | | | | |
| 102 TO 106 | | | | | | | | | | | |
| 101 01 26 | | | | | | | 100.0 | | | - | .1 |
| 92 TO 96 | 3.0 | 9.1 | 6.1 | 6.1 | 30,3 | 21.2 | 24.2 | | | 33 | 2.7 |
| 16 01 78 | 8.5 | 8.1 | 10.8 | 8.6 | 16.8 | 23.2 | 16.2 | 4.9 | 2.7 | 185 | 14.9 |
| 82 TO 86 | 12.7 | 16.2 | 11.8 | 9.2 | 14.5 | 13.6 | 12.3 | 5.7 | 3.9 | 927 | 16.4 |
| | 15.1 | 12.1 | 14.2 | 13.4 | 18.8 | 8.8 | 5.0 | 4.2 | 8.4 | 567 | 19.3 |
| | 5.8 | 11.3 | 16.5 | 16.2 | 19.6 | 6.9 | 5.4 | 1.2 | 18. | 126 | 26.4 |
| | 11.8 | 16.1 | 21.1 | 12.4 | 2.0 | 9. | 1.2 | | 30.4 | 191 | 13.0 |
| | 12.5 | 25.0 | 14.6 | 4.2 | | | | 6.9 | 37.5 | 84 | 3.9 |
| | | 45.9 | 21.4 | 7.1 | | | | | 28.6 | 7. | = |
| | 25.0 | | | | | | | | 75.0 | 3 | |
| 47 TO 51 | | | | | | | | | | | |
| 42 TO 46 | | | | | | | | | | | |
| 37 TO 41 | | | | | | | | | | | |
| 32 TO 36 | | | | | | | | | | | |
| 27 TO 31 | | | | | | | | | | | |
| 22 TO 26 | | | | | | | | | | | |
| 17 TO 21 | | | | | | | | | | | |
| 12 TO 16 | | | | | | | | | | | |
| 7 10 11 | | | | | | | | | | | |
| 2 10 6 | | | | | | | | | | | |
| -3 TO 1 | | | | | | | | | | | |
| -8 TO-4 | | | | | | | | | | | |
| -13 TO -9 | | | | | | | | | | | |
| -18 TO-14 | | | | | | | | | | | |
| -23 TO-19 | | | | | | | | | | | |
| -28 TO-24 | | | | | | | | | | | |
| -33 TO-29 | | | | | | | | | | | |
| -38 TO-34 | | | | | | | | | | | |
| -43 TO-39 | | | | | | | | | | | |
| -48 TO-44 | | | | | | | | | | | |
| -53 TO-49 | | | | | | | | | | | |
| -58 TO-54 | | | | | | | | | | | |
| -59 & LWR | | | | - | | | | | | | |
| TOTALS 10.2 | 10.2 | 13.3 | 14.0 | 11.9 | 15.0 | 10.5 | 7.2 | 3.1 | 13.0 | 1240 | 100.0 |

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NAVWEASERVCOM

93839 STATION

WIND DIRECTION

MEMPHIS, TENNESSEE

93839 STATION

SEPTEMBER MONTH

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| | | | | | WIND DIRECTION | ECTION | | | | | |
|------------|-----------|------|------|------|----------------|--------|------|------|-------|------------|-------|
| TEMP. | NNN | NNE | ENE | ESE | SSE | SSW | wsw | www | CALM | TOTAL | % OF |
| | Z
•6 | & NE | & E | & SE | 8.5 | & SW | % % | NN & | | FREQ. | TOTAL |
| 122+ | | | | | | | | | | | |
| 117 TO 121 | | | | | | | | | | | |
| 112 TO 116 | | | | | | | | | | | |
| 107 TO 111 | | | | | | | | | | | |
| 102 TO 106 | | | | | | | | | | | |
| 101 01 76 | | | 50.0 | 50.0 | | | | | | ~ | .2 |
| 92 TO 96 | 7.1 | | 57.1 | 21.4 | | | 7.1 | | 7.1 | 14 | 1.2 |
| 16 01 78 | 12.8 | 12.8 | 10.6 | 4.9 | 23.4 | 14.9 | 10.6 | 4.9 | 2.1 | 1.4 | 3.9 |
| 82 TO 86 | 11.6 | 11.6 | 10.7 | 14.9 | 17.4 | 19.0 | 5.8 | 4.1 | 5.0 | 121 | 10.1 |
| 77 TO 81 | 13.9 | 13.9 | 19.3 | 13.3 | 13.9 | 13.3 | 8.4 | 1.8 | 0.9 | 166 | 13.8 |
| 72 10 76 | 9.6 | 11.6 | 21.8 | 13.7 | 18.2 | 3.6 | 3.5 | 2.8 | 13.0 | 285 | 23.8 |
| 17 07 79 | 18.0 | 11.8 | 18.4 | 12.7 | 12,3 | 3.1 | 2.2 | 4.8 | 16.7 | 228 | 19.0 |
| 62 TO 66 | 24.8 | 16.3 | 22.0 | 7.8 | 3.5 | | 1.4 | 3.0 | 19.1 | 141 | 11.8 |
| 57 TO 61 | 34.5 | 18.2 | 17.3 | 4.5 | 1.8 | | | 5.5 | 18.2 | 110 | 9.2 |
| 52 TO 56 | 41.2 | 15.7 | 8.6 | | | | | 8.6 | 23.5 | 25 | 4.3 |
| 47 TO 51 | 0.8 | 36.0 | 4.0 | 0.4 | 0 | | 4.0 | | 0.04 | 25 | 2.1 |
| 42 TO 46 | | | 14.3 | 14.3 | | | | | 71.4 | 1 | 9. |
| 37 TO 41 | | | | | | | | | 0.001 | • | |
| 32 TO 36 | | | | | | | | | | | |
| 27 TO 31 | | | | | | | | | | | |
| 22 TO 26 | | | | | | | | | | | |
| 17 TO 21 | | | | | | | | | | | |
| 12 TO 16 | | | | | | | | | | | |
| 7 10 11 | | | | | | | | | | | |
| 2 TO 6 | | | | | | | | | | | |
| -3 10 1 | | | | | | | | | | | |
| -8 10-4 | | | | | | | | | | | |
| -13 TO -9 | | | | | | | | | | | |
| -18 TO-14 | | | | | | | | | | | |
| -23 TO-19 | | | | | | | | | | | |
| -28 10-24 | | | | | | | | | | | |
| -33 TO-29 | | | | | | | | | | | |
| -38 10-34 | | | | | | | | | | | |
| -43 10-39 | | | | | | | | | | | |
| -48 10-44 | | | | | | | | | | | |
| -53 TO-49 | | | | | | | | | | | |
| -58 10-54 | | | | | | | | | | | |
| -59 & LWR | -59 & LWR | | | | | | | | | | |
| TOTALS | 17.4 | 13.6 | 18.3 | 11:1 | 11.9 | 0.0 | 3.3 | 4.0 | 74.5 | 1200 100.0 | 00.0 |

WIND DIRECTION

JAN 1973-DEC 1977

MEMPHIS, TENNESSEE

93839 STATION

0

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DCTOBER

ALL HOURS (L.S.T.)

| | % OF
TOTAL | | | | | | | | 6. | 3.1 | 5.8 | 8.4 | 13.4 | 17.1 | 13.5 | 14.6 | 11.2 | 1.3 | 3.5 | 00 | .2 | | | | | | | | | | | | | | | | | | | 0000 |
|----------------|----------------|------|------------|------------|------------|------------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|--------|---------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--------|
| | TOTAL
FREG. | | | | | | | | 11 | 36 | 72 | 104 | 166 | 212 | 168 | 181 | 139 | 16 | 44 | 10 | 6 | | | | | | | | | | | | | | | | | | | 1640 |
| | CALM | | | | | | | | | 7.7 | 2.6 | 6.7 | 10.8 | 16.0 | 22.0 | 26.0 | 22.3 | 35.5 | 45.5 | 0.04 | 1.99 | | | | | | | | | | | | | | | | | | | 19.3 |
| | WNW
WN % | | | | | | | | 9.1 | 5.1 | 2.8 | 3.8 | 4.8 | 1.9 | 4.8 | 3.3 | 8.6 | 12.1 | 2.3 | | | | | | | | | | | | | | | | | | | | | 0.0 |
| | wsw
% | | | | | | | | 18,2 | 5.1 | 12.5 | 10.6 | 1.8 | 5.5 | 4.2 | 3.9 | 5.8 | 2.2 | 2.3 | 10.01 | | | | | | | | | | | | | | | | | | | | 2.6 |
| ECTION | SSW
& SW | | | | | | | | 45.5 | 41.0 | 23.6 | 14.4 | 12.0 | 5.5 | 3.0 | 4.4 | 1.4 | 1.1 | 2.3 | | | | | | | | | | | | | | | | | | | | | 7.0 |
| WIND DIRECTION | SSE | | | | | | | | 18.2 | 28.2 | 30.6 | 32.7 | 25.3 | 18.4 | 13,1 | 6.1 | 5.0 | 1.1 | | | | | | | | | | | | | | | | | | | | | | 79.61 |
| | ESE
& SE | | | | | | | | | 5.1 | 11.1 | 16.3 | 18.1 | 12.7 | 13.7 | 6.6 | 10.1 | 6.6 | 4.5 | 10.0 | | | | | | | | | | | | | | | | | | | | 7.21 |
| | ene
Ene | | | | | | | | | 5.6 | 7.4 | 5.8 | 10.8 | 13.2 | 12.5 | 7.0 | 6.4 | 14.3 | 1.6 | 10.0 | | | | | | | | | | | | | | | | | | | | 4.4 |
| | NNE
NE | | | | | | | | 9.1 | | 6.9 | 6.7 | 4.8 | 12.7 | 11.3 | 8.8 | 14.4 | 7.7 | 15.9 | 20.0 | | | | | | | | | | | | | | | | | | | | 4.0 |
| | 3 Z 8 | | | | | | | | | 5.1 | 8.5 | 5.9 | 11.4 | 14.6 | 15.5 | 28.8 | 26.6 | 16.5 | 18.2 | 10.0 | 33.3 | | | | | | | | | | | | | | | | | | | 15.8 |
| | TEMP. | 122+ | 117 TO 121 | 112 TO 116 | 111 01 701 | 102 TO 106 | 97 TO 101 | 92 10 96 | 16 01 78 | 82 TO 86 | 77 TO 81 | 72 70 76 | 17 07 79 | 62 TO 66 | 19 01 75 | 52 TO 56 | 47 TO S1 | 42 TO 46 | 37 TO 41 | 32 TO 36 | 27 TO 31 | 22 TO 26 | 17 10 21 | 12 TO 16 | 7 10 11 | 2 TO 6 | -3 TO 1 | -8 10-4 | -13 TO -9 | -18 TO-14 | -23 10-19 | -28 TO-24 | -33 TO-29 | -38 TO-34 | -43 TO-39 | -48 TO-44 | -53 TO-49 | -58 10-54 | -59 & LWR | TOTALS |

WIND DIRECTION

MEMPHIS, TENNESSEE

NOVE ME

ALL HOURS (L.S.T.)

| JAN 1973-DEC 1977 | | |
|-------------------|----------|----|
| 73-DEC | 1977 | 90 |
| NAN | 1973-060 | 2 |
| | MAN | |

| | % OF
TOTAL | | | | | | | | | | 4. | 3.2 | 8.7 | 13.8 | 10.4 | 12.1 | 12.7 | 12.2 | 11.4 | 30 | 4.2 | 1.9 | 9. | | | | | | | | | | | | | | | | | 100.0 |
|----------------|---------------------------------------|------|------------|------------|------------|------------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|------|----------|------|------|----------|---------|--------|---------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|-----------|--------|
| | TOTAL
FREQ. | | | | | | | | | | 33 | 80 | 104 | 165 | 125 | 145 | 152 | 146 | 137 | 100 | 20 | 53 | - | | | | | | | | | | | | | | | | | 1500 |
| | CALM | | | | | | | | | | | 5,3 | 8.4 | 5.5 | 7.2 | 4.8 | 10.5 | 15.1 | 16.1 | 21.0 | 26.0 | 30.4 | 14.3 | | | | | | | | | | | | | | | | | 11.2 |
| | % X % | | | | | | | | | | | | 1.0 | 7.3 | 9.6 | 14.5 | 10.5 | 13.0 | 11.7 | 15.0 | 0.9 | | 28.6 | | | | | | | | | | | | | | | | | 6.6 |
| | wsw
w % | | | | | | | | | | | | 1.0 | 7.9 | 4.9 | 7.6 | 11.8 | 9.6 | 9.5 | 3.0 | 8.0 | 8.7 | | | | | | | | | | | | | | | | | | 7.5 |
| ECTION | SSW
& SW | | | | | | | | | | 37.5 | 23.7 | 18.3 | 12.7 | 13.6 | 14.5 | 9.2 | 5.5 | 5.1 | 0.4 | 2.0 | | 14.3 | | | | | | | | | | | | | | | | | 10.4 |
| WIND DIRECTION | SSE
& S | | | | | | | | | | 62.3 | 55,3 | 43.3 | 30.9 | 25.6 | 18.6 | 9.5 | 0.0 | 9.9 | 0.4 | | 4.3 | | | | | | | | | | | | | | | | | | 18.5 |
| | ese
& se | | | | | | | | | | | 4.9 | 17.3 | 15.2 | 12.8 | 11.0 | 14.5 | 7.5 | 6.6 | 11.0 | 12.0 | 4.3 | 28.5 | | | | | | | | | | | | | | | | | 11.7 |
| | & ENE | | | | | | | | | | | 5.6 | 4.8 | 10.3 | 10.4 | 0.6 | 1.9 | 7.5 | 6.5 | 6.0 | 14.0 | | | | | | | | | | | | | | | | | | | 8.2 |
| | N N N N N N N N N N N N N N N N N N N | | | | | | | | | | | 5.3 | 4.8 | 6.1 | 0.8 | 5.5 | 11.2 | 4 | 18,2 | 19.0 | 0.8 | 8.7 | | | | | | | | | | | | | | | | | | 10.3 |
| | N Z | | | | | | | | | | | | 3.4 | 4.2 | 4.9 | 12.4 | 15.1 | 18.5 | 16.8 | 17.0 | 24.0 | 43.5 | 14.3 | | | | | | | | | | | | | | | | | 12.6 |
| | TEMP. | 122+ | 117 TO 121 | 112 70,116 | 111 07 701 | 102 TO 106 | 101 OT 76 | 92 10 96 | 16 01 78 | 82 TO 86 | 18 01 77 | 72 TO 76 | 17 07 79 | 62 TO 66 | 19 01 75 | 52 TO 56 | 47 TO 51 | 42 TO 46 | | | 27 TO 31 | | | 12 TO 16 | 7 70 11 | 2 70 6 | -3 TO 1 | -8 10-4 | -13 TO -9 | -18 TO-14 | -23 TO-19 | -28 TO-24 | -33 TO-29 | -38 10-34 | -43 TO-39 | -48 10-44 | -53 TO -49 | -58 TO-54 | -59 & LWR | TOTALS |

WIND DIRECTION

DECEMBER

ALL HOURS (L.S.T.)

| N 1973-DEC 1977 | YEARS |
|-------------------|--------------|
| EMPHIS, TENNESSEE | STATION NAME |

| | | | | | WIND DIRECTION | ECTION | | | | | |
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& SE | SSE
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w | % % % % | CALM | TOTAL
FREQ. | % OF
TOTAL |
| 122+ | | | | | | | | | | | |
| 117 TO 121 | | | | | | | | | | | |
| 112 TO 116 | | | | | | | | | | | |
| 107 701 | | | | | | | | | | | |
| 102 TO 106 | | | | | | | | | | | |
| 101 01 76 | | | | | | | | | | | |
| 92 10 96 | | | | | | | | | | | |
| 16 01 78 | | | | | | | | | | | |
| 82 TO 86 | | | | | | | | | | | |
| 17 TO 81 | | - | | | | | | | | | |
| 72 TO 76 | | | | - | 0.001 | | | | | | |
| 17 OT 78 | | | | 6.7 | 53.3 | 33,3 | 6.7 | | | 13 | 1.2 |
| 62 TO 66 | 2.3 | | 2.3 | | 51.2 | 32.6 | | | 2.3 | 6.5 | 3.5 |
| 19 01 75 | 1:1 | 1.1 | 2.1 | | 6.44 | 21.8 | 11.5 | 3.4 | 1.1 | 18 | 7.0 |
| 52 TO 56 | 4.9 | 7.0 | 5.7 | 17.1 | 29.3 | 23.6 | 9.8 | 4.1 | 4.1 | 123 | 6.6 |
| 47 TO 51 | 7.0 | 3.6 | 6.3 | 50.02 | 26.1 | 10.6 | 13.4 | 6.3 | 2.4 | 747 | 11.5 |
| 42 TO 46 | 15.7 | 5.5 | 6.2 | 8.6 | 16.2 | 0.6 | 19.8 | 13.3 | 11.9 | 210 | 16.9 |
| 37 TO 41 | 16.5 | 8.0 | 16.5 | 6.5 | 11.0 | 6.5 | 11.0 | 14.0 | 0.8 | 007 | 16.1 |
| 32 TO 36 | 21.4 | 9.8 | 10.7 | 8.0 | 5.0 | 9.1 | 5.3 | 14.4 | 16.6 | 18/ | 15.1 |
| 27 TO 31 | 27.2 | 4.9 | 11.2 | 10.4 | . 3 | 3.5 | 3.2 | 12.8 | 20.8 | 125 | 10.1 |
| 22 TO 26 | 27.7 | 3.1 | 6.2 | 12.3 | 6.2 | | 3.1 | 10.8 | 30.8 | 65 | 5.5 |
| 17 TO 21 | 55.6 | 6.5 | 16.1 | 15.9 | 4.4 | 6.9 | 3.2 | 6.5 | 16.1 | 31 | 5.5 |
| 12 TO 16 | 75.0 | 12.5 | | | 12.5 | | | | | 200 | 9. |
| 7 TO 11 | 20.0 | 20.0 | | | | | | | | 7 | • 5 |
| 2 TO 6 | 0000 | | | | | | | | | - | |
| -3 10 1 | | | | | | | | | | | |
| -8 10-4 | | | | | | | | | | | |
| -13 TO -9 | | | | | | | | | | | |
| -18 TO-14 | | | | | | | | | | | |
| -23 TO-19 | | | | | | | | | | | |
| -28 TO-24 | | | | | | | | | | | |
| -33 TO-29 | | | | | | | | | | | |
| -38 TO-34 | | | | | | | | | | | |
| -43 TO-39 | | | | | | | | | | | |
| -48 10-44 | | | | | | | | | | | |
| -53 TO-49 | | | | | | | | | | | |
| -58 TO-54 | | | | | | | | | | | |
| -59 & LWR | $\overline{}$ | | | | | | | | | | |
| TOTALS | 15.4 | 0.0 | 0.0 | 10.8 | 18.1 | 11.4 | 0.0 | 10.1 | 11.0 | 1640 100.0 | 100.0 |

NAVWEASERVCOM

93839 STATION

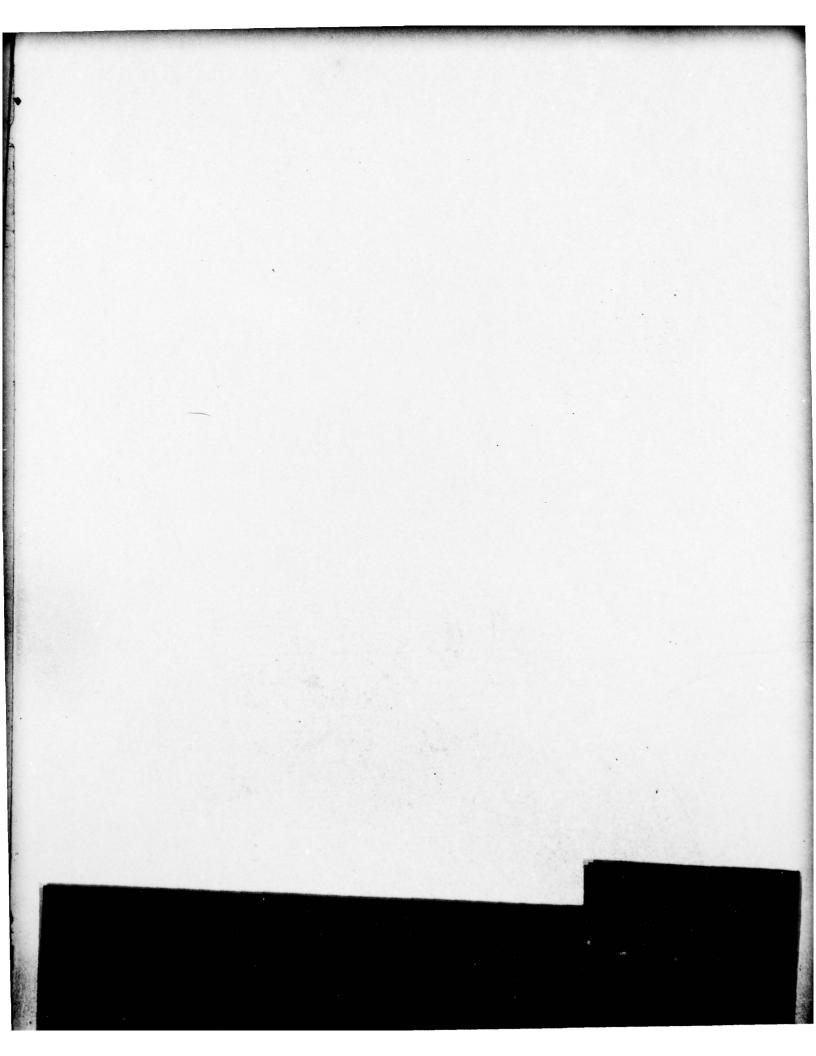
VS. WIND DIRECTION

ALL MEMPIIS, TENNESSEE

JAN 1973-DEC 1977

93839 STATION

| | | | | | WIND DIRECTION | KECTION | | | | | |
|------------|-------|--------|-------|-------------|----------------|-------------|-------|-------|------|----------------|---------------|
| TEMP. | N Z X | N S NE | & ENE | ESE
& SE | SSE
& S | SSW
& SW | % & % | > × × | CALM | TOTAL
FREG. | % OF
TOTAL |
| 122+ | | | | | | | | | | | |
| 117 TO 121 | | | | | | | | | | | |
| 112 TO 116 | | | | | | | | | | | |
| 107 TO 111 | | | | | | | | | | | |
| 102 TO 106 | | | | | | | | | | | |
| 101 01 26 | 4.3 | | 13.0 | 8.7 | 8.7 | 17.4 | 39.1 | 4.3 | 4.3 | 23 | .2 |
| 92 TO 96 | 7.8 | 1.3 | 13.0 | 6.7 | 14.5 | 18.7 | 24.4 | 6.2 | 1.6 | 193 | 1.3 |
| 16 01 78 | 6.8 | 0.8 | 4.6 | 9.6 | 16.8 | 22.7 | 16.7 | 7.3 | 3.6 | 099 | 4.5 |
| 82 TO 86 | 8.4 | 8.8 | 4.6 | 8.9 | 22.8 | 19.8 | 11.4 | 5.2 | 5.3 | 176 | 6.4 |
| 77 10 81 | 7.7 | 0.6 | 11.6 | 12.7 | 22.0 | 15.7 | 8.2 | 4.2 | 6.8 | 1252 | 8.6 |
| 72 10 76 | 5.8 | w. | 13.0 | 13.6 | 24.3 | 13.0 | 4.9 | 2.4 | 14.8 | 1764 | 12.1 |
| 67 10 71 | 6.6 | 9.9 | 12.3 | 12.8 | 23.6 | 12.3 | 3.8 | 3.7 | 13.1 | 1582 | 10.8 |
| 62 TO 66 | 10.1 | 0.1 | 12.3 | 12.4 | 22.4 | 11.0 | 2.0 | 5.8 | 11.9 | 1470 | 10.1 |
| 19 01 75 | 10.7 | 6.6 | 10.6 | 12.2 | 20.8 | 4.6 | 6.0 | 4.9 | 13.1 | 1171 | 8.0 |
| 52 TO 56 | 14.0 | 6.4 | 10.1 | 11.3 | 16.3 | 11.2 | 0.6 | 8.5 | 11.7 | 1111 | 7.6 |
| 47 10 51 | 14.5 | 6.3 | 11.2 | 11.9 | 13.0 | 8.0 | 9.8 | 10.5 | 11.8 | 1031 | 7.1 |
| 42 TO 46 | 16.8 | 10.2 | 10.6 | 0.8 | 6.6 | 6.1 | 10.7 | 12.5 | 15.1 | 156 | 6.5 |
| 37 TO 41 | 17.6 | 10.1 | 12.0 | 8.3 | 7.7 | 5.7 | 8.6 | 15.1 | 16.5 | 818 | 5.6 |
| 32 TO 36 | 18.6 | 12.4 | 11.2 | 8.1 | 6.4 | 5.5 | 5.5 | 14.5 | 1.61 | 669 | 4.8 |
| 27 TO 31 | 26.8 | 9.5 | 11.0 | 7.8 | 5.0 | 3.7 | 3.9 | 10.6 | 21.8 | 463 | 3.2 |
| 22 10 26 | 35.2 | 13.6 | | 69.7 | 5.9 | 1.7 | 4.5 | 5.5 | 19.2 | 987 | 2.0 |
| 17 10 21 | 28.0 | 18.6 | 10.2 | 1.6 | 3.4 | 5.9 | 2.5 | 6.8 | 16.9 | 118 | 8. |
| 12 TO 16 | 40.9 | 6.9 | 2.3 | | 2.3 | | 6.8 | 11.4 | 29.5 | 44 | |
| 7 TO 11 | 54.5 | 13.6 | 4.5 | | 4.5 | | 18.2 | 4.5 | | 22 | ~ |
| 2 TO 6 | 16.7 | 16.7 | 16.7 | | | | 10.7 | 6.3 | 25.0 | 71 | - |
| -3 TO 1 | | | | | | | | | | | |
| -8 10-4 | | | | | | | | | | | |
| -13 TO -9 | | | | | | | | | | | |
| -18 10-14 | | | | | | | | | | | |
| -23 TO-19 | | | | | | | | | | | |
| -28 TO-24 | | | | | | | | | | | |
| -33 TO-29 | | | | | | | | | | | |
| -38 TO-34 | | | | | | | | | | | |
| -43 TO-39 | | | | | | | | | | | |
| -48 10-44 | | | | | | | | | | | |
| -53 TO-49 | | | | | | | | | | | |
| -58 10-54 | | | | | | | | | | | |
| -59 & LWR | | | | | | | | | | | |
| TOTALS | 12.2 | 6.6 | 11.3 | 11.0 | 17.5 | 11.3 | 7.8 | 7.0 | 12.6 | 1660 | 100.0 |



PART F

PRESSURE SUMMARY

for all hours combined. All years of data available are combined in both of these tables, although the overall of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding Presented in this part are two tables giving the means, standard deviations, and total number of observations to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

- . Station pressure in inches of mercury.
- 2. Sea-level pressure in millibars.

altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure Meteorological Tables.

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MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY DESERVATIONS

73-77

MEMPHIS, TENNESSEE

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| Michael Mich | | | | | | | | | | | | | - | | |
|--|--------------|-----------|---------|--------|--------|--------|--------|-------|-------|-----------|----------|-------|---------|-------|--------|
| MEAN 29,812 29,754 29,650 29,700 29,612 29,692 971 29,871 29,821 29,734 29,871 29,821 29,734 29,839 29,694 29,610 29,644 29,678 29,71 0 | HRS.(L.S.T.) | | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | NNN |
| Notaloss 155 214 199 179 148 101 070 155 150 159 150 159 150 159 150 159 150 155 150 | | MEAN | 29.8185 | 19.754 | .65 | 00 | 9.618 | 9.64 | 06 | 16.6 | 90 | 9.784 | 9.777 | 694.6 | 29,719 |
| MEAN 29.82189.75189.699.89.610.95.644.89.67889.710.89.69829.75229.777 MEAN 29.8229.76729.66529.72129.64129.67429.709.772.111 1.150 | 00 | S. D. | .215 | - | 29 | - | 4 | 0 | - | 0 | 0 | 2 | - | - | |
| MEAN 29,82129,75129,6529,72129,64129,64429,079,71029,69629,75229,777 MEAN 29,82229,76729,66529,72129,64129,67429,70929,73929,724229,773 MEAN 29,83529,76729,66529,72129,64129,67429,70929,73929,72429,80629,793 MEAN 29,83529,80129,70029,74629,66129,69229,73029,73229,732429,823 MEAN 29,83529,80129,70029,74629,66129,69229,73029,7492,874929,823 MEAN 29,83529,80129,70029,74629,66129,69229,73029,7492,874929,823 MEAN 29,7929,73229,62429,66129,66229,63529,7492,874929,80629,74929,7493 MEAN 29,79229,73229,62429,66129,60229,63529,64729,64029,74929,749329,778329,749329, | | TOTAL OBS | 4 | 3 | 1.5 | - | 10 | 1 | - | 2 | - | 2 | 2 | | 82 |
| S.D. 155 141 155 150 150 155 150 155 155 150 155 155 | | MEAN | | . 36 | 0 430 | 707 0 | 0.4.0 | 9.44 | 0 478 | 0.710 | 107.0 | 0.78 | 444 | 9. 76 | - |
| TOTALOBS 155 141 199 162 169 150 079 074 111 120 189 WEAN 29,8229-76729-66529-72129-64129-6729-73929-73429-73429-7395 S. D. 228 216 198 189 185 150 155 151 151 150 159 150 150 155 150 150 | | MEAN | 1701 | 761063 | 10001 | 1001 | 0100 | 1000 | 0100 | | 1 | - | | | |
| MEAN 29, 62229, 76729, 66529, 72129, 64129, 67429, 70929, 73929, 72429, 80629, 795 S. D 228 . 216 . 198 . 189 . 156 . 103 . 082 . 071 . 114 . 139 . 150 TOTALOBS . 155 . 141 . 155 . 150 . 155 . | 03 | S. D. | .221 | | 13 | 2 | | 0 | 0 | 0 | 3 | 2 | 2 | 2720 | |
| MEAN 29,8229,76729,66529,72129,64129,67429,70929,73929,72429,800629,793 S.D. (228 3141 155 150 155 150 155 150 155 150 150 15 | | TOTAL OBS | | | 13 | 13 | - | 13 | - | 2 | 2 | 2 | 2 | 2 | 82 |
| MEAN 29,82229,00129,00529,72129,04129,07727,70229,125,126,1261 TOTALOBS 228 141 155 180 185 103 1082 1071 114 120 181 NEAN 29,85929,80129,70029,74529,66129,69229,73029,76229,74929,82029,8208 S. D. 234 227 222 101 101 102 101 101 101 101 101 101 | | | | | | | | | | 000 | | 1000 | 200 | | |
| TOTALOBS 155 141 155 150 150 103 1082 1071 114 125 150 1801 1071 1082 155 150 150 155 150 150 155 150 150 155 150 150 | | MEAN | 29.825 | 29.707 | 9.665 | 9.721 | 140.6 | 4.074 | . 102 | 91737 | 67 1 · A | 0000 | 2010 | 100 | - |
| MEAN 29,85929-80129-70029-74829-66129-69229-73029-72-29-749-29-8-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2 | 90 | S. D. | .228 | .216 | .19 | 18 | 15 | 2 | 0 | 0 | 7 | 2 | 2 | .211 | .176 |
| MEAN 29,85929,80129,70029,74829,66129,69229,73029,74929,83629,826
S. D. 1234 122 120 155 150 155 150 155 155 150 159 159 159 159 159 159 159 159 159 159 | | TOTAL OBS | 4 | 141 | 15 | 5 | 13 | 13 | - | 2 | 2 | 2 | .5 | 2 | 82 |
| MEAN 29,85929,60129,70029,74829,66129,69229,73029,75229,74929,83629,829 TOTALOBS 155 141 155 150 155 150 155 155 150 150 | | | | | | | | | | | | | | | |
| S. D. S. | | MEAN | .859 | 62 | 29.700 | 9.748 | 9.661 | 9.695 | 9.730 | 9,702 | 9.749 | 9.83 | 829 | 18.6 | 0 |
| MEAN 29, 83429, 78929, 68329, 73029, 64729, 68029, 71529, 74549, 72929, 80829, 795 TOTALORS 155 141 155 150 155 150 155 159, 74549, 72929, 80829, 795 TOTALORS 155 141 155 150 155 150 155 159 159 159 159 159 150 155 150 150 | 60 | S. D. | .234 | | .20 | 19 | - | 10 | 0 | 0 | 7 | 13 | 2 | ~ | 2 |
| MEAN 29,83429,78929,68329,73029,64729,68029,71529,74529,72929,80829,795 S. D. ,236 ,221 ,200 ,188 ,152 ,101 ,079 ,069 ,113 ,123 ,193 S. D. ,236 ,221 ,200 ,184 ,143 ,097 ,081 ,070 ,113 ,129 ,193 S. D. ,230 ,220 ,199 ,184 ,143 ,097 ,081 ,070 ,113 ,149 ,193 TOTALOBS S. D. ,230 ,220 ,199 ,184 ,143 ,097 ,081 ,070 ,113 ,149 ,193 TOTALOBS S. D. ,221 ,217 ,196 ,184 ,145 ,097 ,081 ,070 ,113 ,149 ,199 TOTALOBS S. D. ,221 ,217 ,196 ,185 ,190 ,195 ,190 ,190 ,190 TOTALOBS S. D. ,221 ,217 ,196 ,197 ,192 ,098 ,078 ,071 ,192 ,193 TOTALOBS S. D. ,221 ,199 ,174 ,143 ,102 ,077 ,1067 ,112 ,141 S. D. ,218 ,214 ,199 ,174 ,143 ,102 ,077 ,1067 ,112 ,191 S. D. ,225 ,218 ,214 ,199 ,174 ,143 ,102 ,077 ,1067 ,112 ,191 S. D. ,225 ,225 ,226 ,226 ,2229,65429,69129,72129,70929,79129,783 S. D. ,225 ,225 ,226 ,226 ,226 ,226 ,65429,69129,72129,70929,79129,793 | , | TOTAL OBS | _ | 141 | 15 | 13 | - | 2 | - | 2 | 25 | 2 | 2 | 2 | |
| S. D. S. 236 9.78929.68329.73029.64729.68029.71529.74929.80829.7959 508299.7959 508299 | | | | | | 1 | - | | | | | | | | |
| S. D. 1236 121 125 150 155 150 155 155 155 155 155 155 15 | | MEAN | 29.634 | 29.789 | 9.683 | 9.730 | 9.647 | 9.680 | 9.715 | 9,745 | 9,729 | 908 6 | 9,795 | 1.6 | 29.744 |
| MEAN 29,79229,73229,62429,68129,60229,63529,66729,69629,76129,749 S. D. ,230 ,220 ,199 ,184 ,143 ,097 ,081 ,070 ,113 ,146 ,193 TOTALOBS 155 141 155 150 155 150 155 150 159 150 TOTALOBS 155 141 155 150 155 150 155 150 155 150 159 150 MEAN 29,80729,73729,61929,67429,58529,61829,65229,69329,67629,76229,761 S. D. ,221 ,217 ,196 ,175 ,142 ,098 ,078 ,071 ,113 ,143 ,189 TOTALOBS 155 141 155 150 155 150 155 150 155 150 155 150 TOTALOBS 155 141 155 150 155 150 155 150 155 150 155 150 155 150 155 150 155 150 155 150 155 150 155 150 155 150 155 150 155 150 155 150 155 150 155 150 155 150 150 150 150 150 150 150 160 150 15 | 12 | S. D. | .236 | .221 | .20 | 88 | .15 | 2 | - | 600 | .11 | 2 | 2 | - | .17 |
| MEAN 29,79229,73229,62429,68129,60229,63529,66729,69629,79129,749 S. D. 1230 1220 199 184 143 097 081 1070 113 146 193 TOTALOSS 155 141 155 150 155 150 155 150 155 150 155 150 TOTALOSS 155 141 155 150 150 | | TOTAL OBS | | 1 | - | - | - | 15 | * | - | 2 | 2 | 2 | 13 | 83 |
| MEAN 29, 73229, 52429, 68129, 60229, 63529, 66729, 6979, 7913 146 193 164 163 199 164 163 199 164 163 199 164 163 199 164 163 199 164 163 199 164 163 199 164 163 199 164 163 199 164 164 165 150 155 150 159 150 150 150 150 150 150 150 150 150 150 | | | | | | | | | | | | 1 | | | |
| S. D 230 . 220 . 199 . 184 . 143 . 097 . 081 . 070 . 113 . 146 . 193 TOTALORS 155 141 155 150 155 150 155 150 155 150 155 150 S. D 221 . 217 . 196 . 175 . 142 . 098 . 078 . 071 . 113 . 143 . 189 TOTALORS . 29, 81829, 75529, 64429, 70229, 61329, 64529, 68329, 71829, 70829, 72829, 778 S. D 218 . 214 . 199 . 174 . 143 . 102 . 077 . 067 . 112 . 141 . 188 TOTALORS 155 141 155 150 155 150 155 150 159 150 159 150 159 150 159 . 198 TOTALORS . 29, 82129, 76129, 65329, 70629, 62229, 65429, 69129, 72129, 70929, 79129, 783 S. D 225 . 218 . 200 . 184 . 151 . 103 . 083 . 074 . 114 . 150 187 | | MEAN | 29.792 | 32 | 29.624 | 9.681 | 9.602 | 9.635 | 9.067 | 9,670 | 9006 | 2 | 64 | - | 6 |
| MEAN 29,80729,73729,61929,67429,58529,61829,655229,68329,67629,76329,761 S. D. ,221 ,217 ,196 ,175 ,142 ,098 ,078 ,071 ,113 ,113 ,1199 TOTALOBS 155 141 155 150 155 150 155 159 159 159 150 155 150 150 | 13 | S. D. | .230 | .220 | . 19 | 30 | * | 60 | 0 | 0 | = | = | 0 | - | |
| MEAN 29,80729,73729,61929,67429,58529,61829,65229,69329,67629,7612
S.D221 -217 -196 -175 -142 -098 -078 -071 -113 -1143 -1149 -189 -189 -189 -189 -189 -189 -189 -18 | | TOTAL OBS | | 141 | 15 | - | 2 | 15 | 3 | 2 | 2 | 2 | - | 2 | 8 |
| MEAN 29, 81829, 75529, 64429, 70229, 61329, 64529, 68329, 71829, 70329, 78829, 778 S. D 218 . 214 . 199 . 174 . 143 . 102 . 077 . 067 . 112 . 1141 . 188 TOTALORS 155 141 155 150 155 150 155 159 159 150 159 150 . 155 150 . 155 150 . 159 . 150 . 159 . 150 . 155 . 150 . 159 . 150 . 151 . 188 MEAN 29, 82129, 76129, 65329, 70629, 62229, 65429, 69129, 72129, 70929, 79129, 783 . 200 . 225 . 225 . 226 . 220 | | | 000 | | 0.7 | 74.7 0 | | 8.7.0 | 0 483 | B K 7 . 0 | 767 0 | 0.768 | 0.74. | 96.0 | 3 |
| S. D 221 .217 .190 .175 .142 .098 .078 .001 .113 .139 .139 .1001 .001 .113 .139 .139 .130 .135 .150 .150 | | | 47.60 F | 101.62 | 1001 | 1000 | 2000 | 100 | 2000 | 201 | | - | | | |
| MEAN 29,81829,75529,64429,70229,61329,64529,68329,71829,70829,78829,778 S.D218 .214 .199 .174 .143 .102 .077 .067 .112 .141 .188 TOTALORS 155 141 155 150 155 150 155 159 150 155 150 159 150 MEAN 29,82129,76129,65329,70629,62229,65429,69129,72129,70929,79129,783 S.D225 .218 .200 .184 .151 .103 .083 .074 .114 .120 1200 | 2 | | | .217 | . 19 | - | | 60 | - | 0 | - | - | 2 | 6170 | 0.10 |
| ** S. D. ** 29, 81829, 75529, 64429, 70229, 61329, 64529, 68329, 71829, 70329, 78629, 778 ** S. D. ** 218 ** 214 ** 199 ** 174 ** 143 ** 102 ** 077 ** 067 ** 112 ** 141 ** 188 ** TOTALORS 155 161 155 150 155 150 155 150 159 150 159 150 ** MEAN 29, 82129, 76129, 65329, 70629, 62229, 65429, 69129, 72129, 70929, 79129, 783 ** S. D. ** 225 ** 218 ** 200 184 ** 151 103 ** 083 ** 074 ** 114 ** 150 1200 | | | | 141 | 15 | 3 | ~ | 2 | 2 | 2 | 0 | | | 2 | 20 |
| S. D. 188 .214 .199 .174 .143 .102 .077 .067 .112 .141 .188 .150 .155 .155 | | MEAN | 20.8.90 | 744 | 9.644 | 0.702 | 9.4.2 | 9 445 | 9.683 | 0.718 | 9.708 | 9.788 | 9.778 | 9.76 | 1 |
| TOTALORS 155 141 155 150 155 150 155 150 155 150 155 150 155 150 155 150 150 | | WEAR. | 0701.3 | **** | | 30.4 | | | | 1 | | 1 | | | |
| TOTALOBS 155 141 155 150 155 150 155 150 159 150 159 150 159 150 150 150 150 150 150 150 150 150 150 | 21 | S. D. | .218 | • | | - | - | 2 | - | 0 | 7 | | 2 | . 207 | 6773 |
| MEAN 29.82129.76129.65329.70629.62229.65429.69129:72129.70929.79129;783
S.D225 .218 .200 .184 .151 .103 .083 .074 .114 .150 .187 | | TOTAL OBS | | | 3 | - | - | 2 | - | 2 | 2 | | 3 | 0 | 20 |
| S.D. 1225 -218 -200 -184 -151 -100 -083 -074 -114 -150 -187 -150 -187 -150 -187 -150 -187 -150 -187 -150 -187 -150 -187 -150 -187 -150 -187 -150 -187 -150 -187 -150 -187 -150 -187 -150 -187 -150 -187 -150 -187 -150 -187 -150 -187 -150 -187 -150 -150 -150 -150 -150 -150 -150 -150 | | | | | | | | | | | | | | | |
| S.D225 .218 .200 .184 .151 .108 .083 .074 .114 .150 .18 | *** | | 29.821 | 19 | 9.653 | 9.106 | 29.625 | 9.654 | 9.691 | 9,721 | 9.709 | 9,791 | 9 , 783 | 9 | 29,723 |
| TOTALORS 1246 1128 1240 1200 1240 1240 1240 1200 1240 120 | ALL | | . 225 | 18 | .20 | 18 | . 15 | 2 | | 970 | .114 | 150 | . 18 | | |
| | TOOKS | TOTAL OBS | | 1128 | 4 | C | 124 | 20 | - | 24 | 20 | 34 | 20 | 24 | 0 |

MEANS AND STANDARD DEVIATIONS

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| DBSERVATIONS |
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| HOURLY |
| TROM |
| SE XI |
| Z |
| PRESSURE |
| LEVEL |
| SEA |
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|--------------|----------------------------|--|----------|-----------------------------|--------------------------|------------------------|------------------------|-------------------------|--------|-----------------------|-------------------------|------------------------|------------------------|-------------------------|
| STATION | | | ST | ATION NAME | | | | | | YEARS | | | 1 | |
| HRS.(L.S.T.) | - | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ANNUAL |
| 00 | S. D.
TOTAL OBS | 1020,71018,4
7,458 7,428
155 141 | 7.428 | 41014.7
8 6.862
1 155 | 1016.31
6.158
150 | 013.4
5.076
155 | 1014.4
3.463
150 | 1015,8
2,604
155 | 2,371 | 480 | 1019:2
5:020
155 | 1019.1 | 7,345 | 1017,0
5,993
1826 |
| 60 | S. D.
TOTAL OBS | 1020.81018.31
7.683 7.404
155 141 | 7,404 | 014.3
6.874
155 | 1016.21
6.234
150 | 5.153
5.153 | 3.468 | 2,696
2,696
155 | 2,450 | 3,848 | 5,101 | 1019,1
6,237
150 | 7,307 | 1016.9 |
| 90 | S. D.
TOTAL OBS | 1020.81018.9101
7,900 7,481 6. | 7.481 | 5.28852 | 6.497 | 5.368 | 3,528 | 1016,5
2,816
155 | 2:401 | 3,936 | 1020;0
5,401
125 | 1019.8
6.278
150 | 1019.2
7,285
155 | 1017.0 |
| 50 | MEAN
S. D.
TOTAL OBS | 1022.11020.0101
8.116 7.680 6. | 7,680 | 950 | 1018.01
6.621
150 | 5.437
155 | 3,536 | 2,806 | 201853 | 3.840 | 1021 0
5,442
1,55 | 1020.9
6,532
150 | 1020,4 | 1018,6 |
| 21 | S. D.
TOTAL OBS | 1021.21019.61015
8.172 7.625 6.8
155 141 1 | 7,625 | 1015.81
6.882
155 | 15017.41 | 5.210 | 3,478 | 2,721 | 2,359 | 3,885 | 1020,0
5,302
155 | 1019,7
6,661
150 | 1019,4
7,299
155 | 1017,9 |
| 12 | S. D.
TOTAL OBS | 1019.8
7.988
155 | 7.618 | 6.865 | 6.318 | 012.9
4.921
155 | 3,351 | 2.767
2.767
155 | 2,376 | 3,885
3,885
150 | 1018,4
5,025
155 | 1018.2
6,680
150 | 1018.0
7,308
155 | 1016.3 |
| 2 | S. D.
TOTAL OBS | 1020-31017-81013
7-663 7-538 6-8 | 7.538 | 0.817
0.817
155 | 6.031 | 4.900 | 3,377 | 2,668 | 2,376 | 3,913 | 1018:7
4.912
155 | 1016.6 | 7,345 | 1016+2 |
| 2 | S. D.
TOTAL OBS | 7,560 7,408 6,8 | 7.408 | 1014.51
6.874
155 | 5.960 | 013,3
4.934
155 | 3,496 | 2,605 | 2:294 | 3,846 | 1019.4 | 1019.2 | 7,239 | 1017.0 |
| ALL | S. D.
TOTAL OBS | 1020.81018.71014
7.824 7.540 6.9 | 7.540 | 100 | 1016.61
6.326
1200 | 013.6
5.177
1240 | 3.546 | 1015.8
2.827
1240 | 20161 | 3,933 | 5,192 | 6,497 | 7,317 | 1017.2 |

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